

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060801.D
 Acq On : 30 Jan 2019 13:06
 Operator : VA/AP
 Sample : VD0130SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Quant Time: Jan 31 04:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.82	168	524752	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.99	114	763444	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.17	117	593172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.33	152	302470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.23	65	417683	51.92	ug/l	0.02
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	6.70	113	378073	51.64	ug/l	0.03
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.21	98	854041	49.95	ug/l	0.02
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	13.37	95	391693	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	123360	19.335	ug/l	100
3) Chloromethane	1.77	50	74315	19.455	ug/l	92
4) Vinyl Chloride	1.86	62	80469	19.846	ug/l #	87
5) Bromomethane	2.15	94	22354	17.453	ug/l	90
6) Chloroethane	2.25	64	29966	18.418	ug/l #	85
7) Trichlorofluoromethane	2.50	101	163203	20.447	ug/l	100
8) Diethyl Ether	2.81	74	21554	18.326	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	91516	22.625	ug/l	89
10) Methyl Iodide	3.23	142	81970	19.356	ug/l #	98
11) Tert butyl alcohol	3.95	59	30977	80.573	ug/l #	89
12) 1,1-Dichloroethene	3.06	96	65938	23.855	ug/l	97
13) Acrolein	2.98	56	18894	130.177	ug/l	87
14) Allyl chloride	3.51	41	126281	19.631	ug/l #	93
15) Acrylonitrile	4.07	53	90547	105.113	ug/l	92
16) Acetone	3.15	43	123593	106.367	ug/l	98
17) Carbon Disulfide	3.30	76	209113	21.357	ug/l	96
18) Methyl Acetate	3.53	43	42350	18.385	ug/l	100
19) Methyl tert-butyl Ether	4.09	73	254443	20.163	ug/l	94
20) Methylene Chloride	3.70	84	103747	17.248	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	107359	22.032	ug/l	98
22) Diisopropyl ether	4.91	45	326042	19.669	ug/l	96
23) Vinyl Acetate	4.86	43	974463	102.083	ug/l	99
24) 1,1-Dichloroethane	4.79	63	219213	20.201	ug/l	99
25) 2-Butanone	5.87	43	142864	96.060	ug/l	95
26) 2,2-Dichloropropane	5.81	77	240128	21.001	ug/l	95
27) cis-1,2-Dichloroethene	5.83	96	111024	20.005	ug/l	86
28) Bromochloromethane	6.22	49	87244	20.609	ug/l	93
29) Tetrahydrofuran	6.25	42	70126	98.188	ug/l	98
30) Chloroform	6.44	83	253166	19.739	ug/l	95
31) Cyclohexane	6.73	56	164408	22.268	ug/l	95
32) 1,1,1-Trichloroethane	6.65	97	260841	21.118	ug/l	98
36) 1,1-Dichloropropene	6.92	75	171565	18.822	ug/l	96
37) Ethyl Acetate	5.96	43	72519	17.822	ug/l #	94
38) Carbon Tetrachloride	6.89	117	225292	19.710	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.65	83	153815	20.150	ug/l	98
40) Benzene	7.23	78	346077	19.237	ug/l	97
41) Methacrylonitrile	6.25	41	94475	36.559	ug/l #	91
42) 1,2-Dichloroethane	7.36	62	201538	19.283	ug/l	99
43) Isopropyl Acetate	9.03	43	97438	18.360	ug/l #	91
44) Trichloroethene	8.32	130	120952	19.832	ug/l	98
45) 1,2-Dichloropropane	8.72	63	93046	19.106	ug/l	99
46) Dibromomethane	8.85	93	76078	20.123	ug/l	94
47) Bromodichloromethane	9.16	83	197928	19.396	ug/l	97
48) Methyl methacrylate	8.90	41	66970	18.299	ug/l	93
49) 1,4-Dioxane	8.87	88	10927	365.924	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	308292	89.703	ug/l	99
52) Toluene	10.30	92	230673	20.213	ug/l	100
53) t-1,3-Dichloropropene	10.71	75	175028	19.499	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	191462	20.800	ug/l	96
55) 1,1,2-Trichloroethane	10.99	97	73160	18.803	ug/l	97
56) Ethyl methacrylate	10.84	69	92637	19.654	ug/l	96
57) 1,3-Dichloropropane	11.20	76	131223	19.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.65	63	249336	100.822	ug/l	98
59) 2-Hexanone	11.33	43	234973	90.928	ug/l	96
60) Dibromochloromethane	11.49	129	128062	18.308	ug/l	99
61) 1,2-Dibromoethane	11.61	107	89384	19.507	ug/l	95
64) Tetrachloroethene	11.05	164	112743	20.710	ug/l	95
65) Chlorobenzene	12.21	112	274042	20.217	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.31	131	125577	21.563	ug/l	99
67) Ethyl Benzene	12.32	91	548229	22.491	ug/l	100
68) m/p-Xylenes	12.47	106	336196	42.394	ug/l	92
69) o-Xylene	12.86	106	172041	21.919	ug/l	90
70) Styrene	12.88	104	284392	21.607	ug/l	98
71) Bromoform	13.04	173	82821	18.875	ug/l	94
73) Isopropylbenzene	13.21	105	510923	21.186	ug/l	98
74) N-amyl acetate	13.07	43	145472	19.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.51	83	83857	19.097	ug/l	95
76) 1,2,3-Trichloropropane	13.55	75	110789	19.974	ug/l	93
77) Bromobenzene	13.48	156	124723	20.119	ug/l	91
78) n-propylbenzene	13.58	91	642367	21.218	ug/l	99
79) 2-Chlorotoluene	13.65	91	405890	21.981	ug/l	100
80) 1,3,5-Trimethylbenzene	14.05	105	446696	21.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.28	75	27206	18.814	ug/l	92
82) 4-Chlorotoluene	13.75	91	458300	22.331	ug/l	89
83) tert-Butylbenzene	14.00	119	489765	22.548	ug/l	96
84) 1,2,4-Trimethylbenzene	14.05	105	446696	21.516	ug/l	99
85) sec-Butylbenzene	14.18	105	509197	20.594	ug/l	100
86) p-Isopropyltoluene	14.30	119	430304	21.436	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	226541	20.431	ug/l	98
88) 1,4-Dichlorobenzene	14.35	146	215564	20.009	ug/l	98
89) n-Butylbenzene	14.61	91	455859	21.765	ug/l	99
90) Hexachloroethane	14.82	117	117167	19.614	ug/l	69
91) 1,2-Dichlorobenzene	14.62	146	188805	20.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.19	75	21987	21.076	ug/l	58

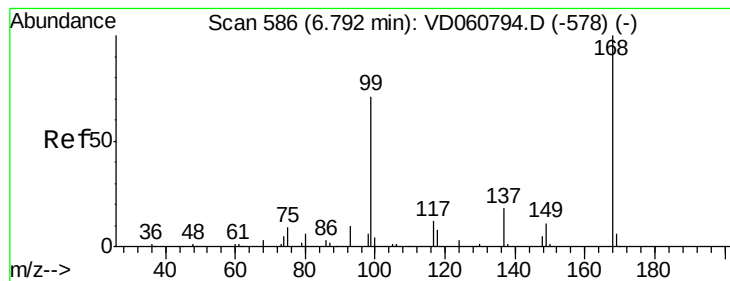
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.76	180	160571	20.149	ug/l	99
94) Hexachlorobutadiene	15.85	225	123024	20.575	ug/l	97
95) Naphthalene	15.94	128	232943	19.025	ug/l	98
96) 1,2,3-Trichlorobenzene	16.08	180	139906	20.190	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 589

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

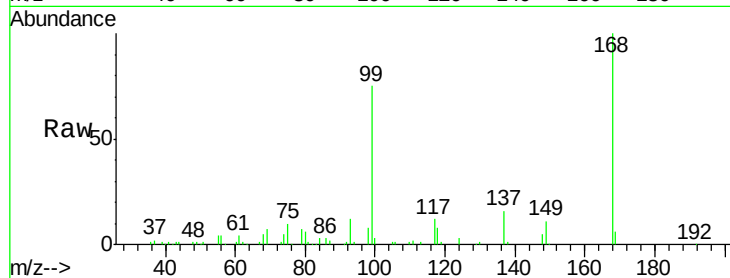
VD0130SBS01

Tot Ion:168 Resp: 524752

Ion Ratio Lower Upper

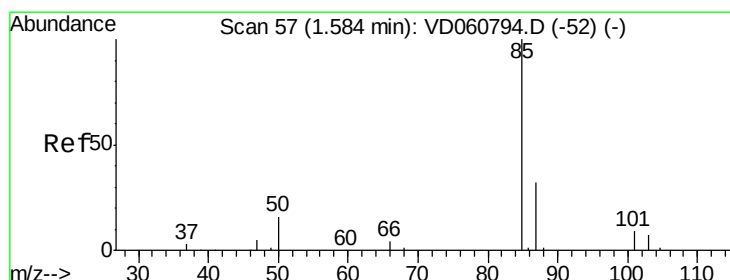
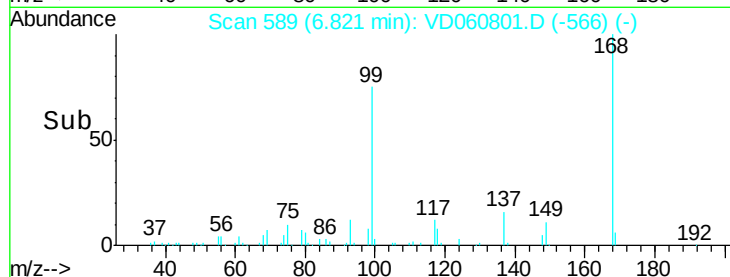
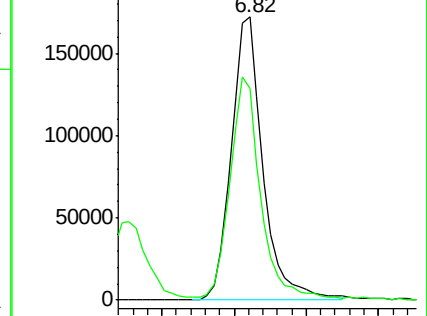
168 100

99 74.9 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.335 ug/l

RT: 1.59 min Scan# 58

Delta R.T. 0.01 min

Lab File: VD060801.D

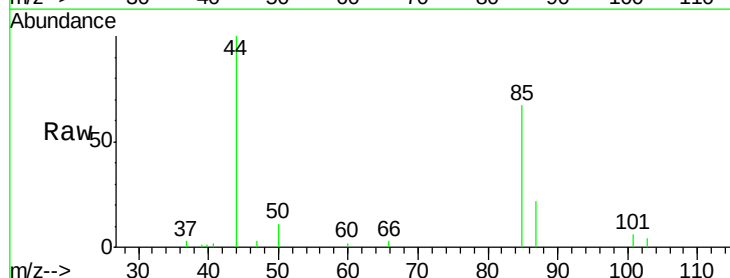
Acq: 30 Jan 2019 13:06

Tgt Ion: 85 Resp: 123360

Ion Ratio Lower Upper

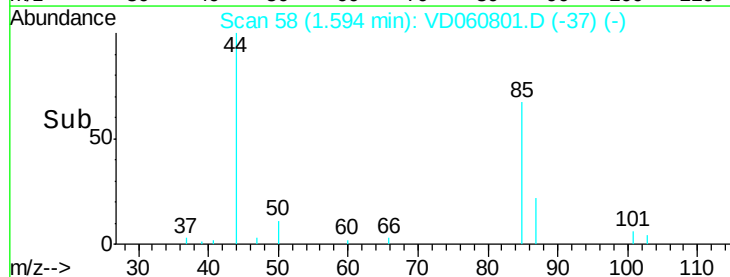
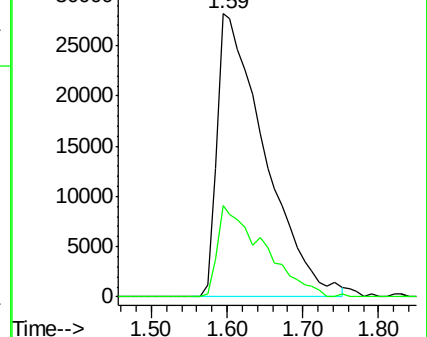
85 100

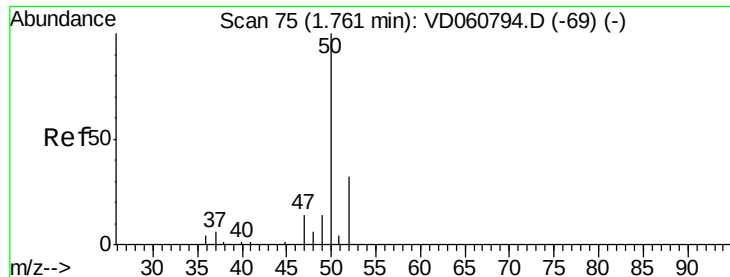
87 32.2 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.455 ug/l

RT: 1.77 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

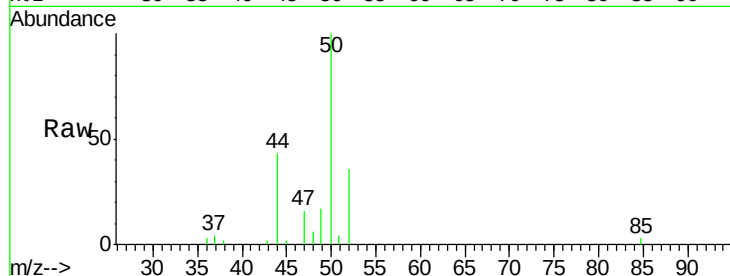
VD0130SBS01

Tot Ion: 50 Resp: 74315

Ion Ratio Lower Upper

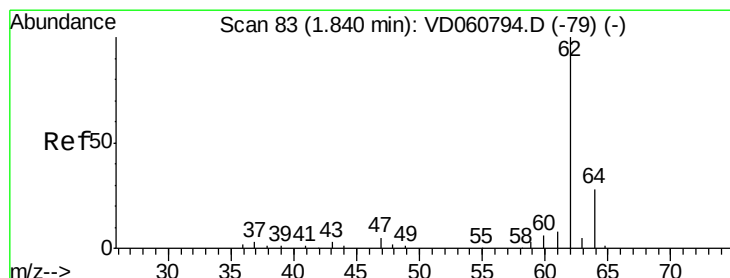
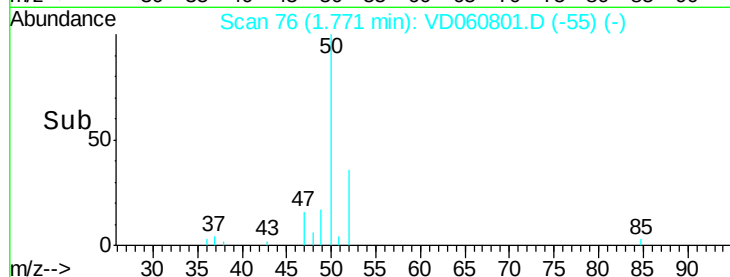
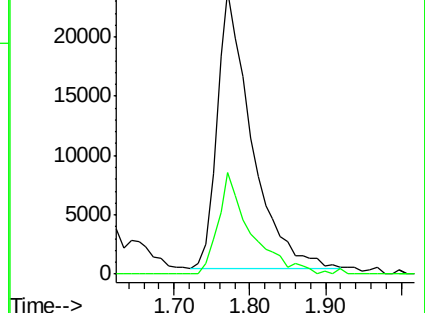
50 100

52 36.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.846 ug/l

RT: 1.86 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD060801.D

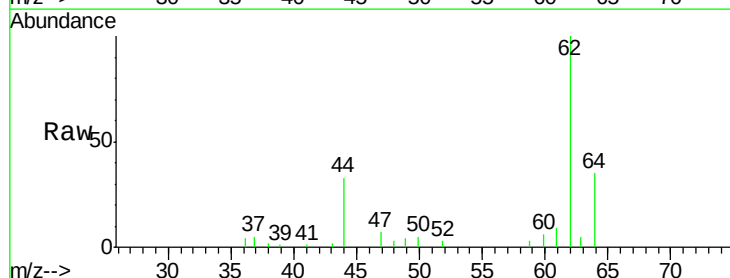
Acq: 30 Jan 2019 13:06

Tgt Ion: 62 Resp: 80469

Ion Ratio Lower Upper

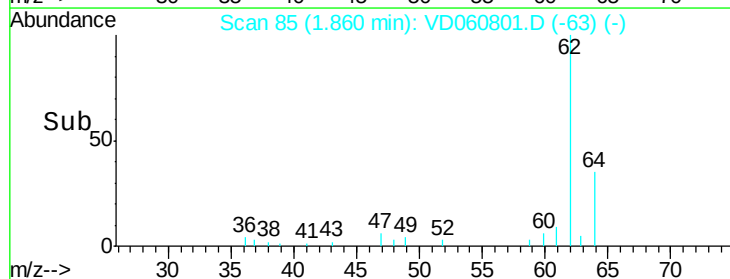
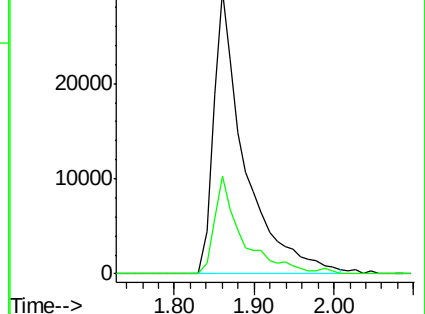
62 100

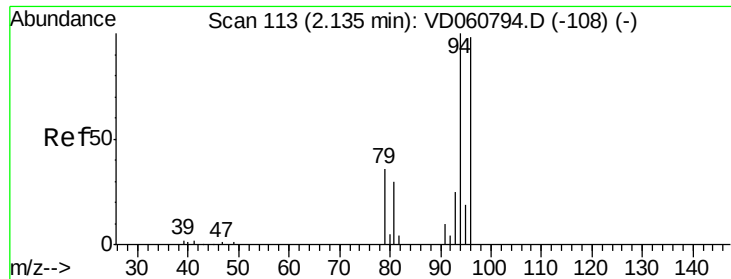
64 34.5 22.1 33.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.453 ug/l

RT: 2.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

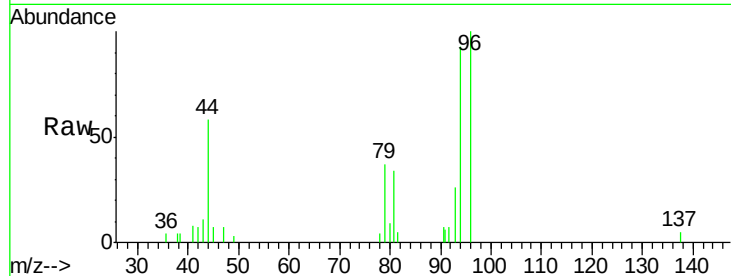
VD0130SBS01

Tot Ion: 94 Resp: 22354

Ion Ratio Lower Upper

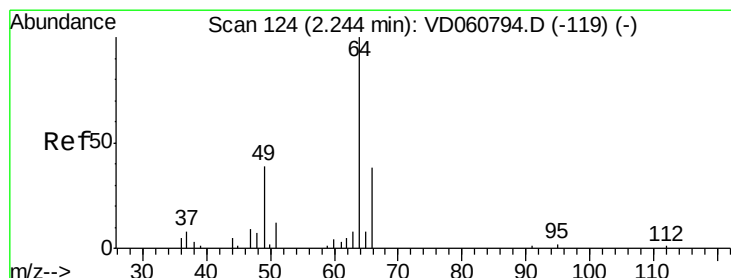
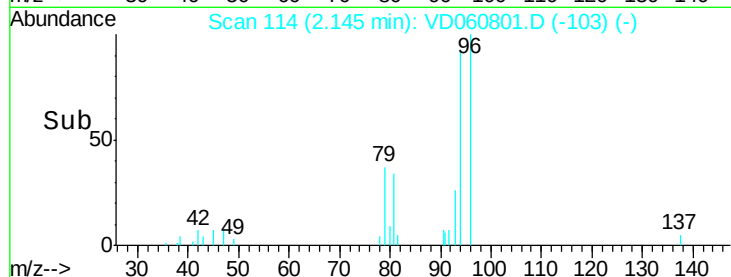
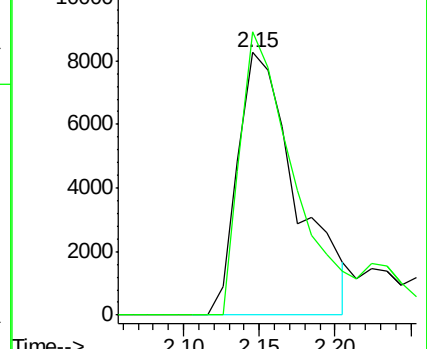
94 100

96 107.8 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.418 ug/l

RT: 2.25 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD060801.D

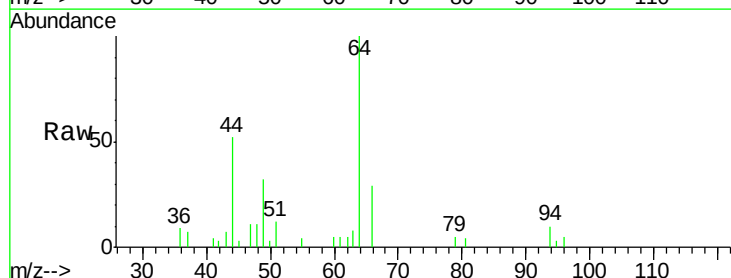
Acq: 30 Jan 2019 13:06

Tgt Ion: 64 Resp: 29966

Ion Ratio Lower Upper

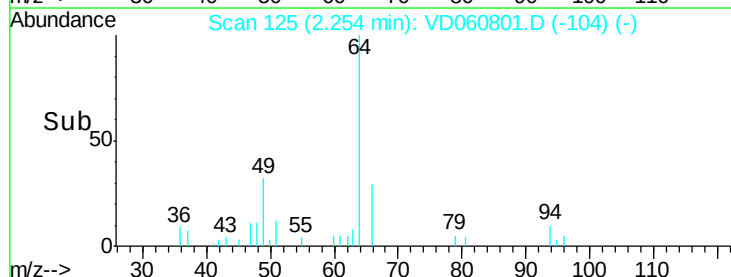
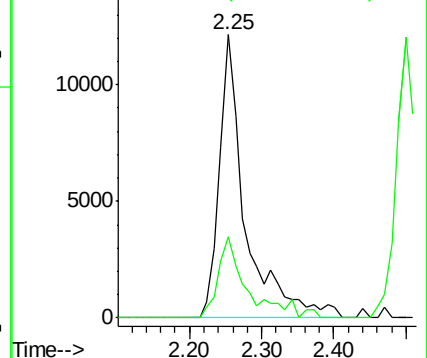
64 100

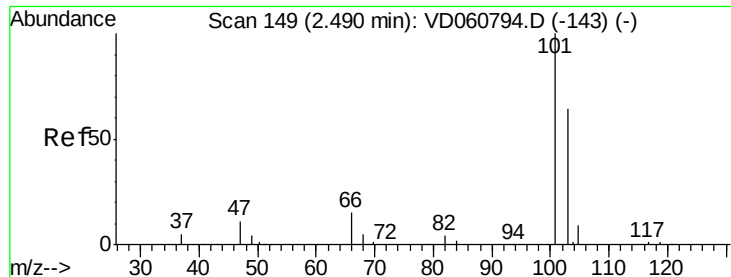
66 28.5 30.2 45.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



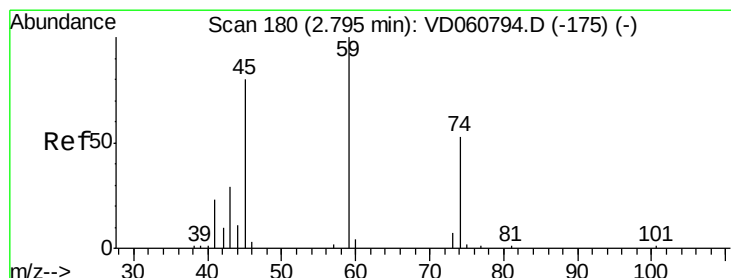
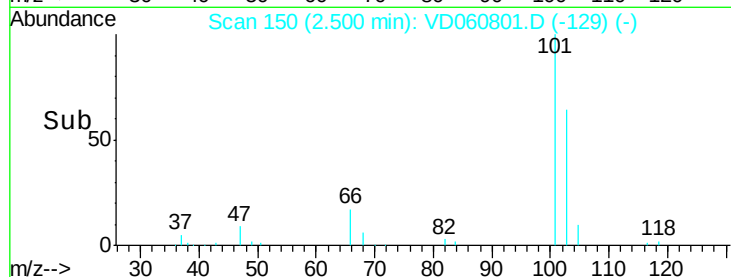
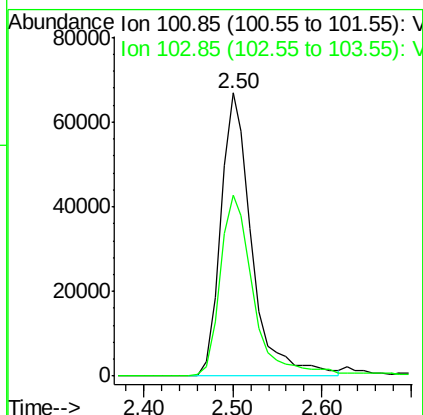
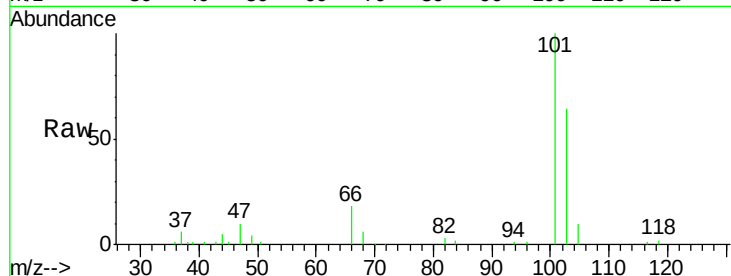


#7

Trichlorofluoromethane
 Concen: 20.447 ug/l
 RT: 2.50 min Scan# 150
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Instrument :
 MSVOA_D
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 VD0130SBS01

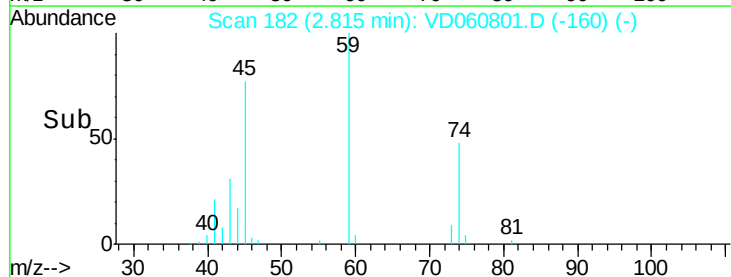
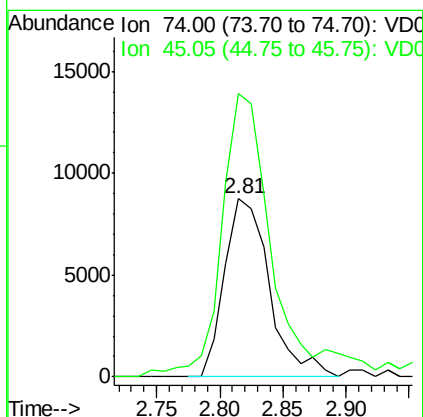
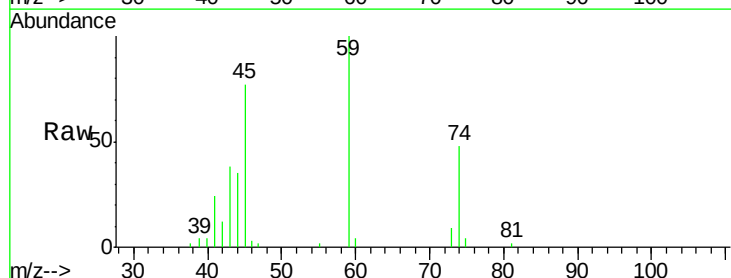
Tot Ion:101 Resp: 163203
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.3 76.9

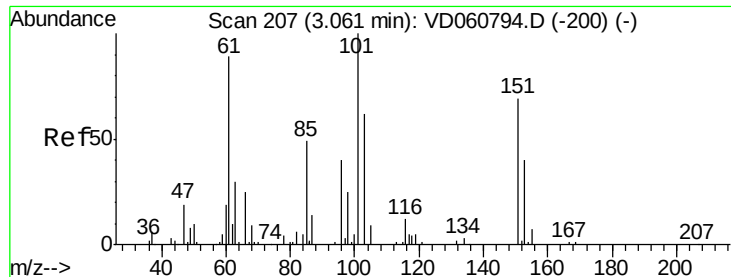


#8

Diethyl Ether
 Concen: 18.326 ug/l
 RT: 2.81 min Scan# 182
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 74 Resp: 21554
 Ion Ratio Lower Upper
 74 100
 45 159.2 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.625 ug/l

RT: 3.08 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

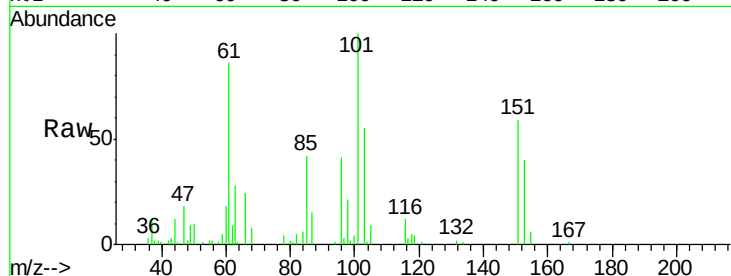
Tot Ion:101 Resp: 91516

Ion Ratio Lower Upper

101 100

85 42.3 39.3 58.9

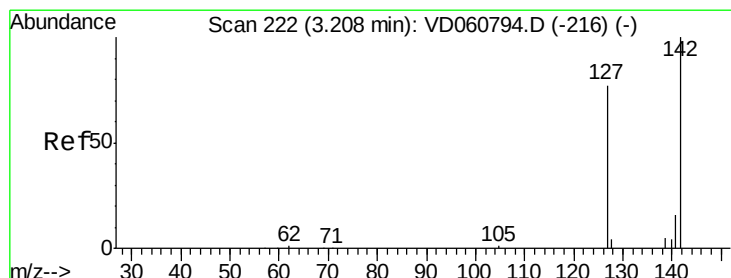
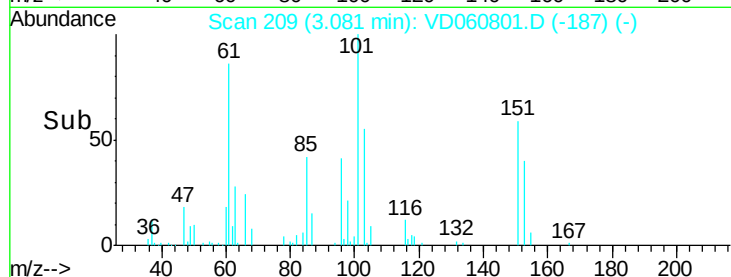
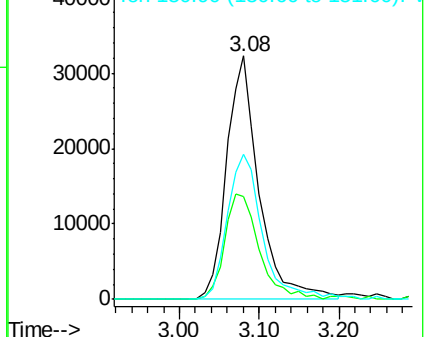
151 59.4 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.356 ug/l

RT: 3.23 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

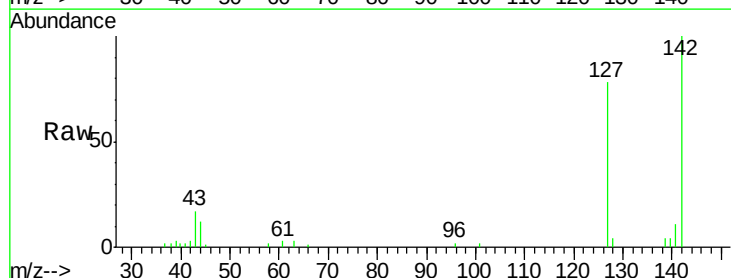
Tgt Ion:142 Resp: 81970

Ion Ratio Lower Upper

142 100

127 77.5 61.6 92.4

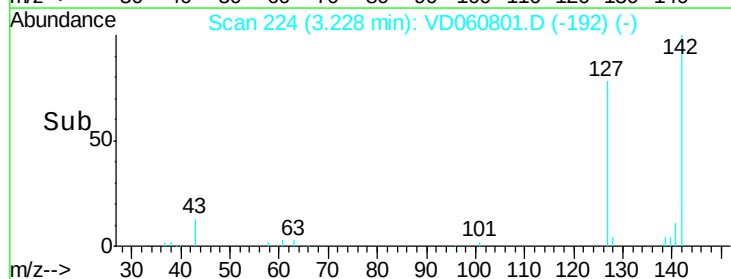
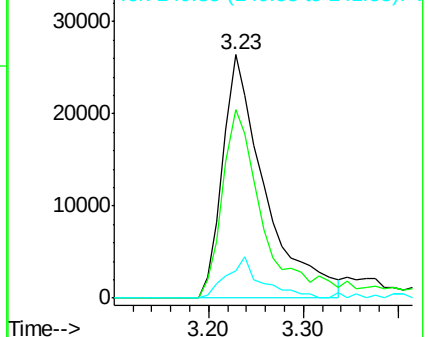
141 11.2 12.5 18.7#

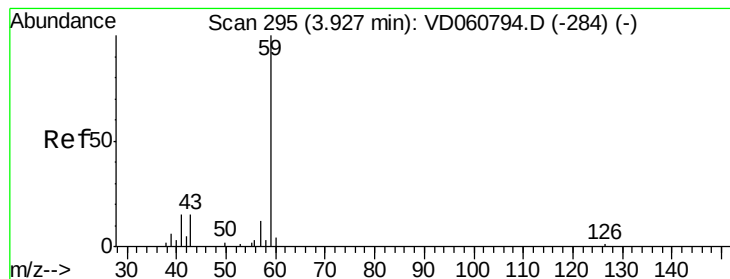


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



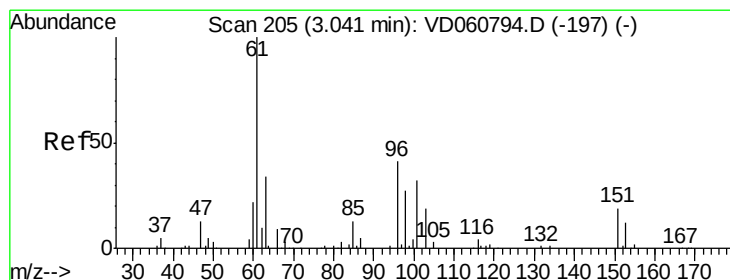
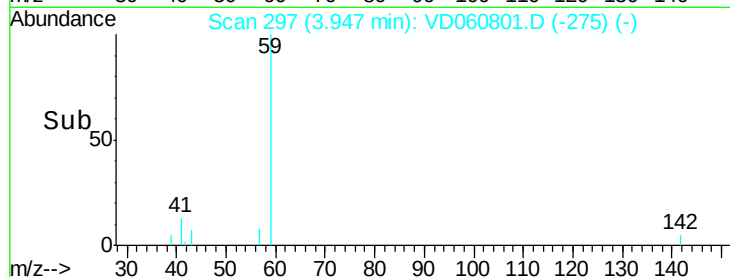
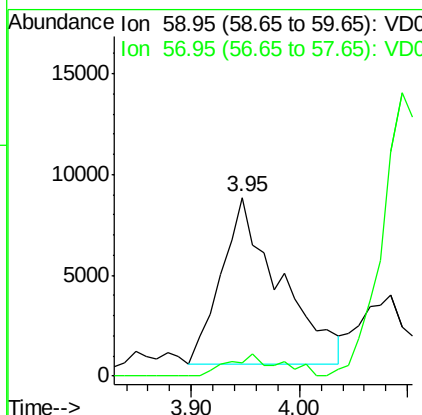
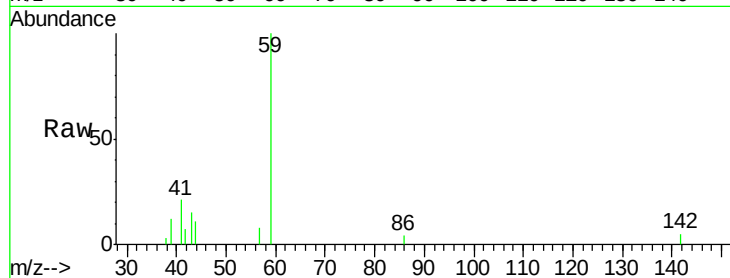


#11

Tert butyl alcohol
 Concen: 80.573 ug/l
 RT: 3.95 min Scan# 297
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

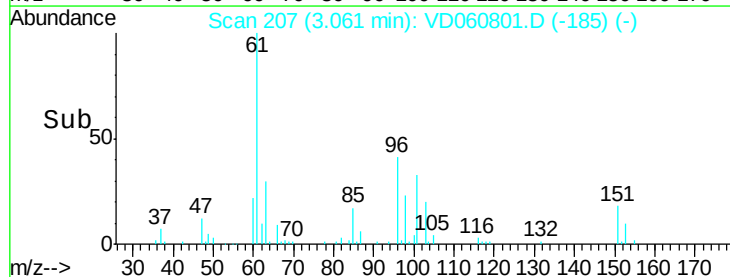
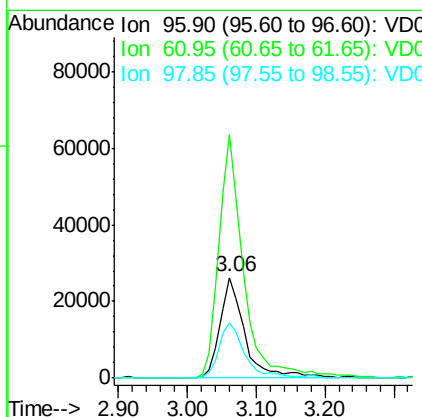
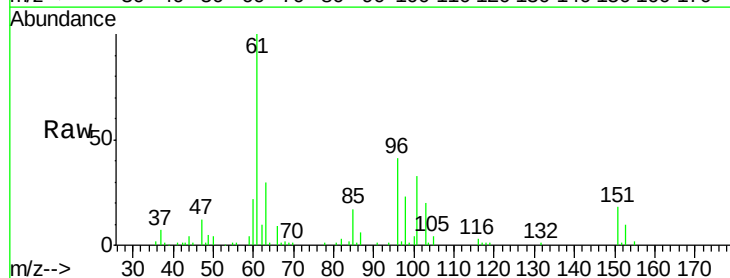
Tot Ion: 59 Resp: 30977
 Ion Ratio Lower Upper
 59 100
 57 7.8 9.8 14.6#

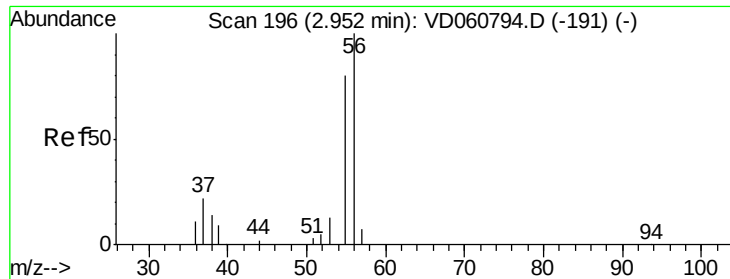


#12

1,1-Dichloroethene
 Concen: 23.855 ug/l
 RT: 3.06 min Scan# 207
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 96 Resp: 65938
 Ion Ratio Lower Upper
 96 100
 61 242.9 195.1 292.7
 98 55.1 52.5 78.7





#13

Acrolein

Concen: 130.177 ug/l

RT: 2.98 min Scan# 199

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

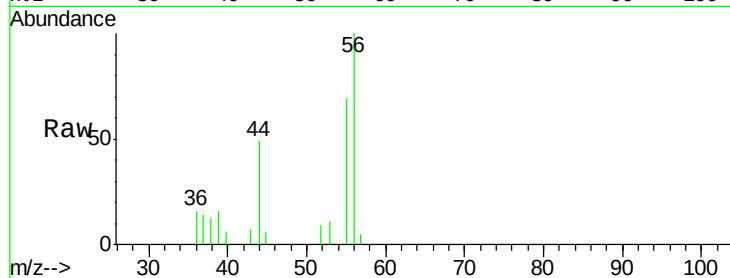
VD0130SBS01

Tot Ion: 56 Resp: 18894

Ion Ratio Lower Upper

56 100

55 68.6 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.98

8000

6000

4000

2000

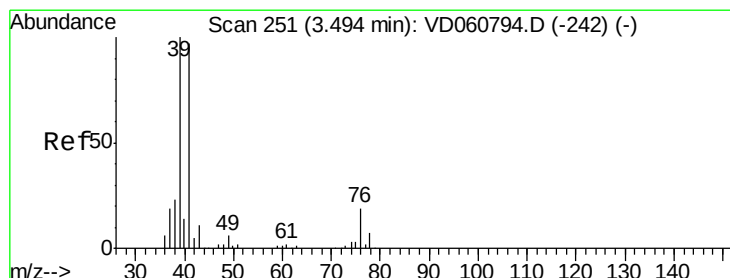
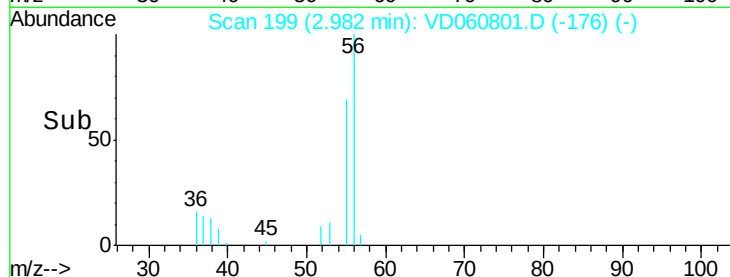
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 19.631 ug/l

RT: 3.51 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

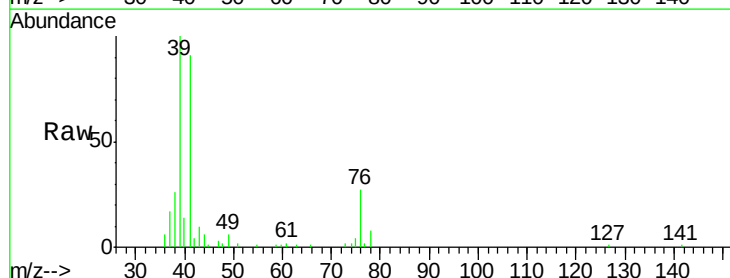
Tgt Ion: 41 Resp: 126281

Ion Ratio Lower Upper

41 100

39 109.5 82.6 123.8

76 29.3 18.9 28.3#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

0

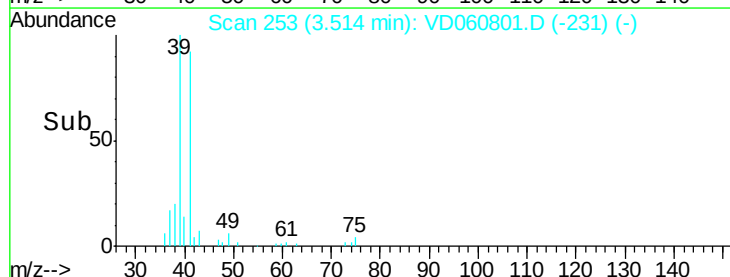
Time-->

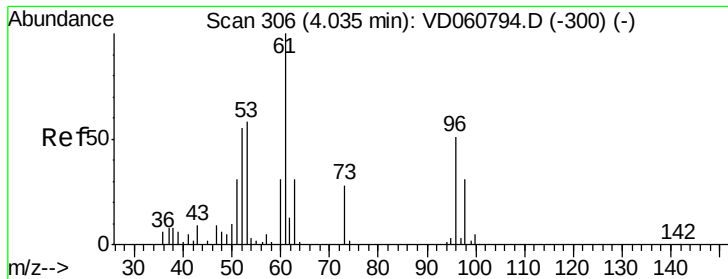
3.40

3.50

3.60

3.70





#15

Acrylonitrile

Concen: 105.113 ug/l

RT: 4.07 min Scan# 309

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

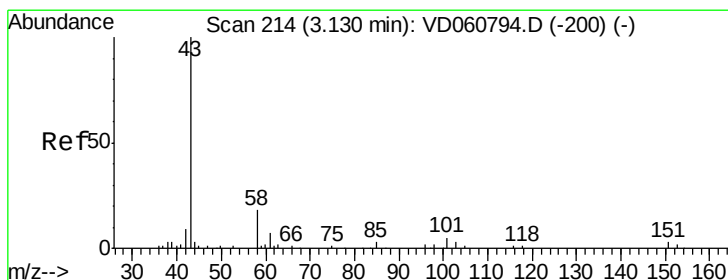
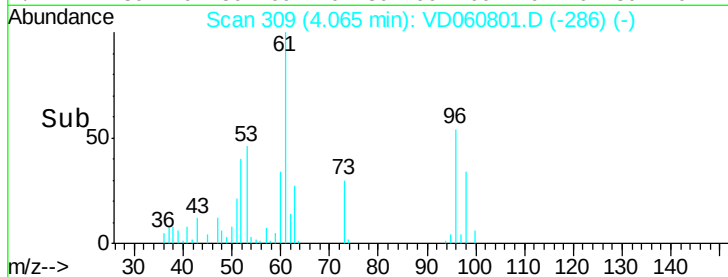
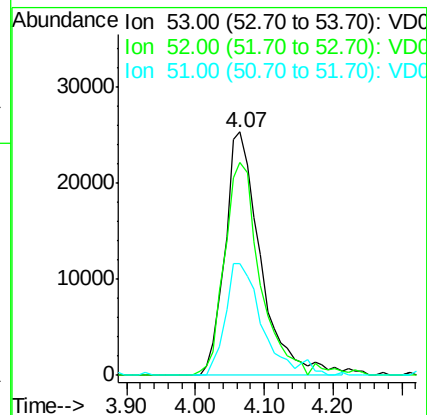
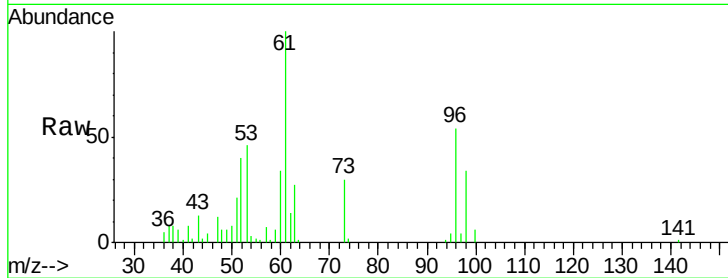
Tot Ion: 53 Resp: 90547

Ion Ratio Lower Upper

53 100

52 87.6 75.4 113.2

51 46.0 42.5 63.7



#16

Acetone

Concen: 106.367 ug/l

RT: 3.15 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD060801.D

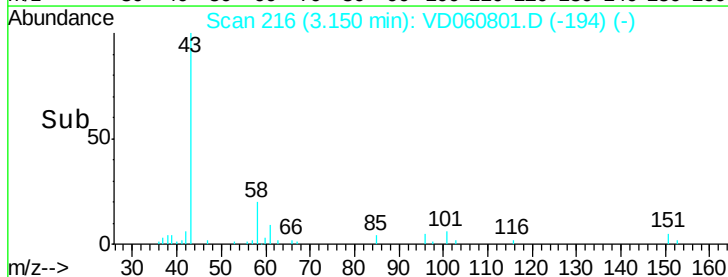
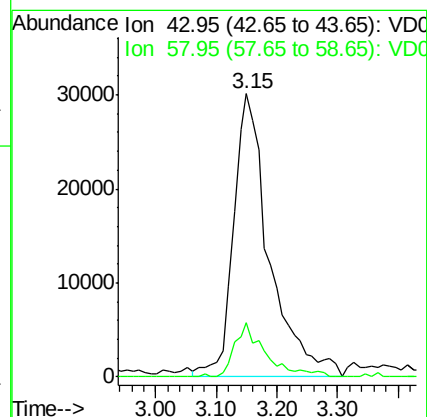
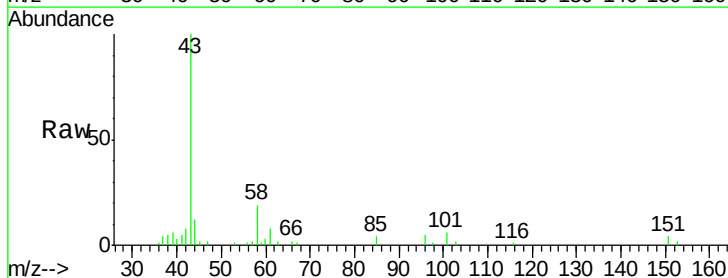
Acq: 30 Jan 2019 13:06

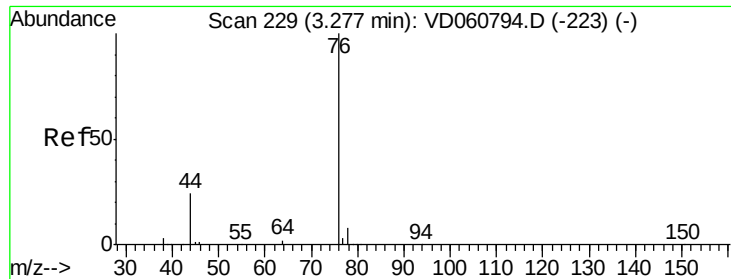
Tgt Ion: 43 Resp: 123593

Ion Ratio Lower Upper

43 100

58 19.0 14.5 21.7





#17

Carbon Disulfide

Concen: 21.357 ug/l

RT: 3.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

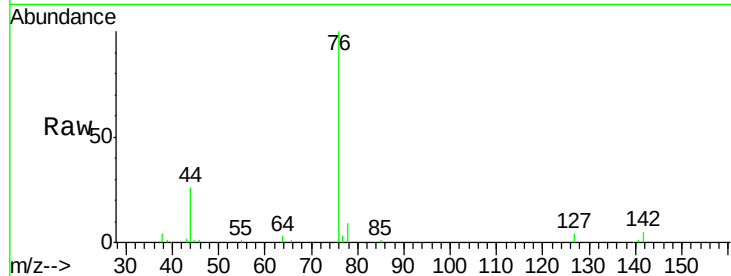
VD0130SBS01

Tot Ion: 76 Resp: 209113

Ion Ratio Lower Upper

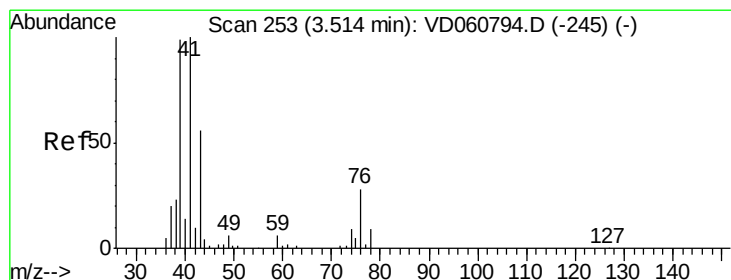
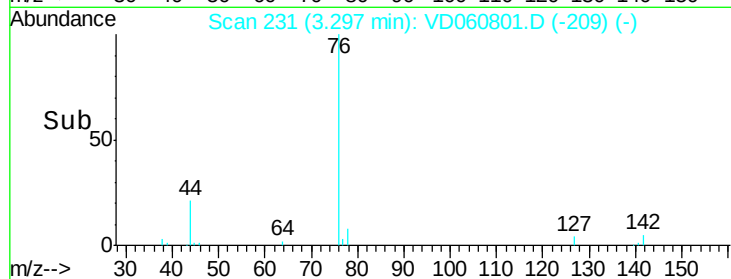
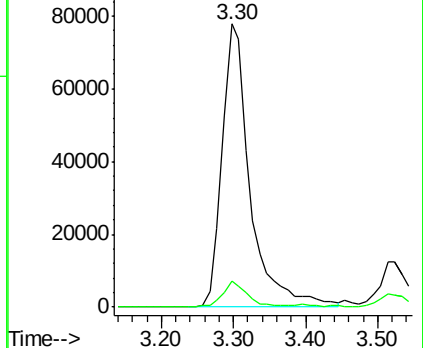
76 100

78 9.4 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.385 ug/l

RT: 3.53 min Scan# 255

Delta R.T. 0.02 min

Lab File: VD060801.D

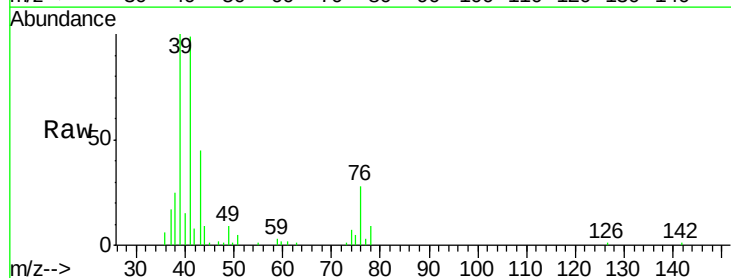
Acq: 30 Jan 2019 13:06

Tgt Ion: 43 Resp: 42350

Ion Ratio Lower Upper

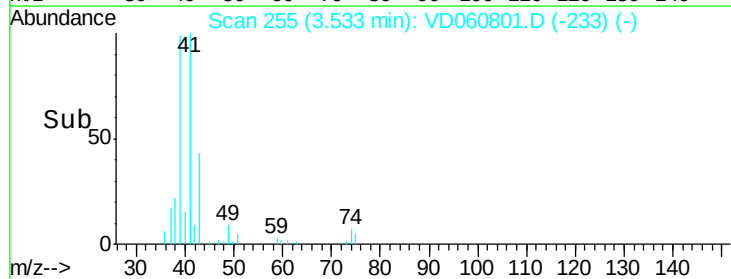
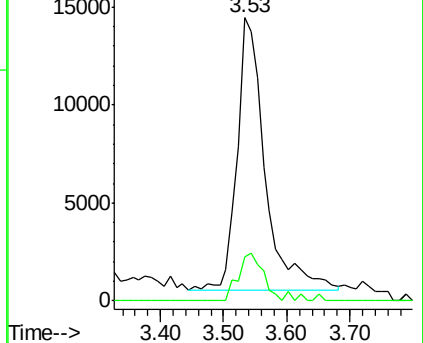
43 100

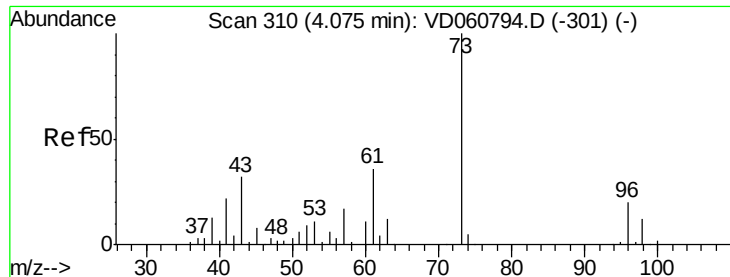
74 15.6 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

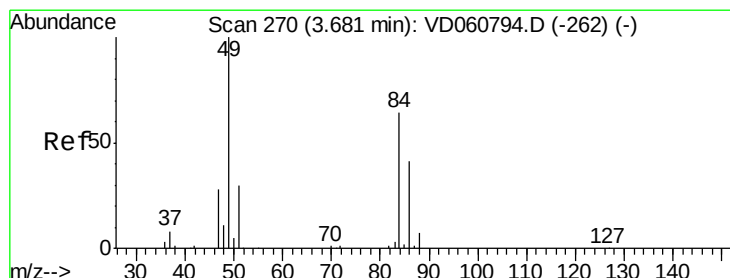
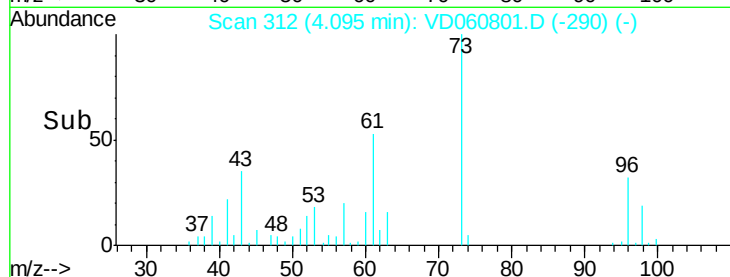
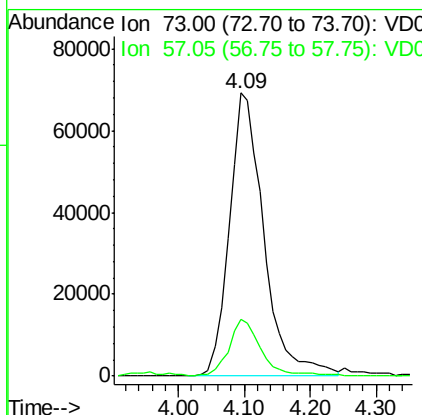
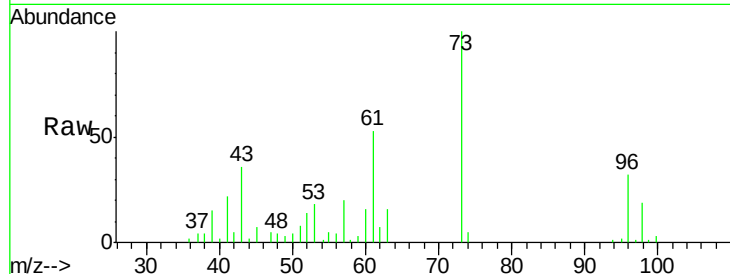




#19
Methyl tert-butyl Ether
Concen: 20.163 ug/l
RT: 4.09 min Scan# 312
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

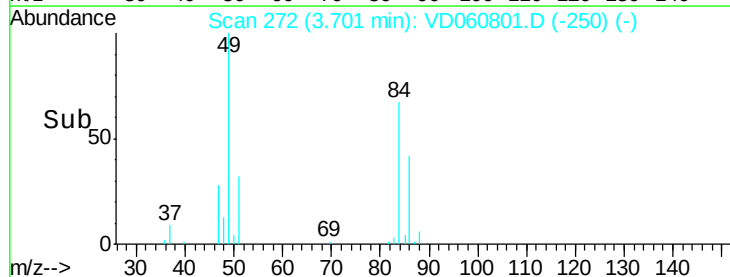
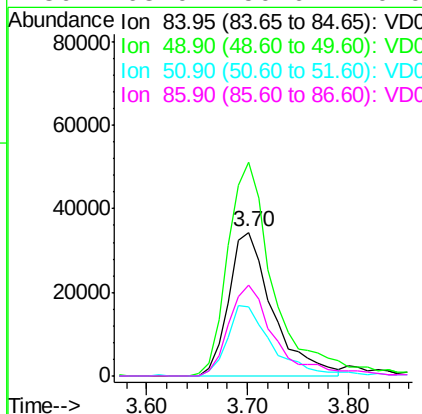
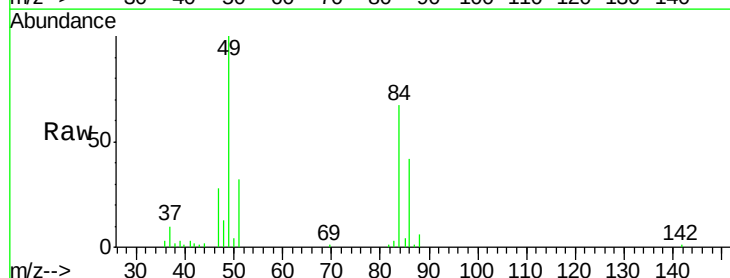
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

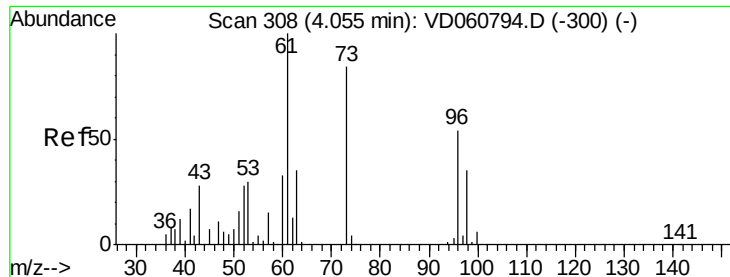
Tot Ion: 73 Resp: 254443
Ion Ratio Lower Upper
73 100
57 20.3 14.0 21.0



#20
Methylene Chloride
Concen: 17.248 ug/l
RT: 3.70 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion: 84 Resp: 103747
Ion Ratio Lower Upper
84 100
49 148.9 124.2 186.2
51 47.8 38.1 57.1
86 63.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 22.032 ug/l

RT: 4.07 min Scan# 310

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

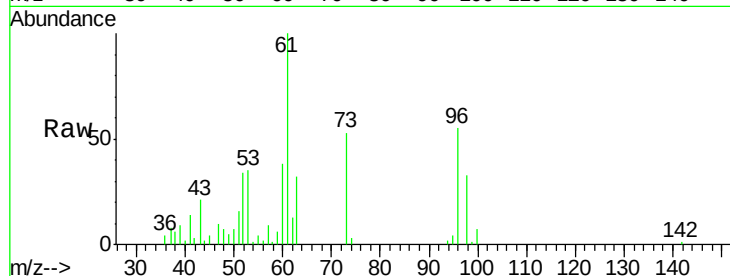
Tot Ion: 96 Resp: 107359

Ion Ratio Lower Upper

96 100

61 182.9 147.4 221.2

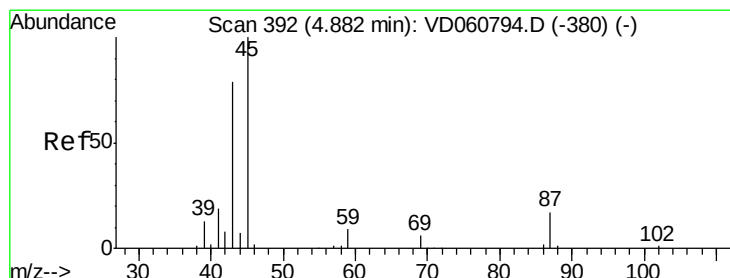
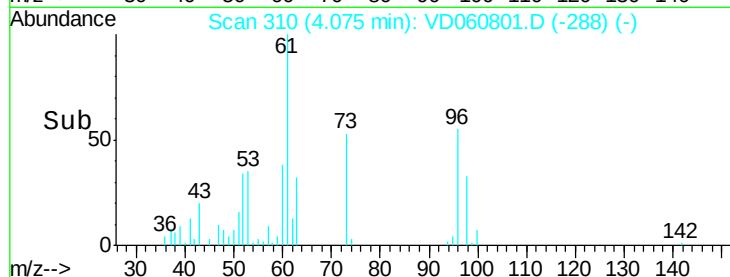
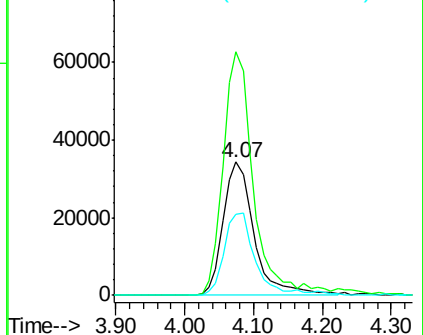
98 60.8 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.669 ug/l

RT: 4.91 min Scan# 395

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Tgt Ion: 45 Resp: 326042

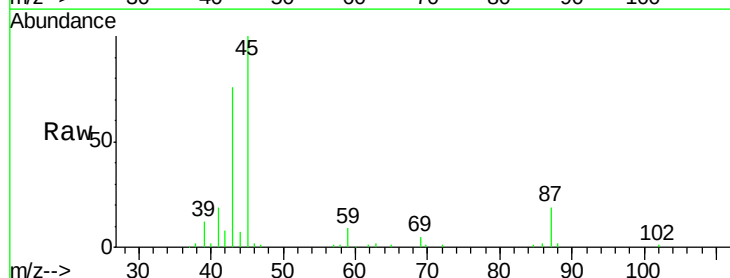
Ion Ratio Lower Upper

45 100

43 76.0 64.3 96.5

87 18.9 14.3 21.5

59 9.4 7.8 11.8

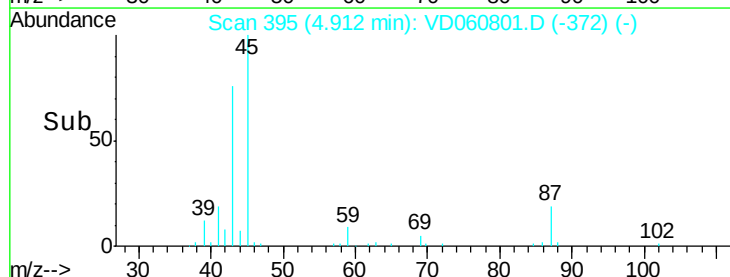
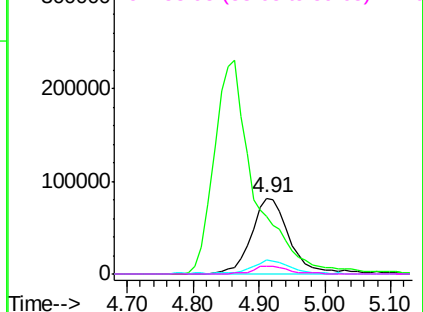


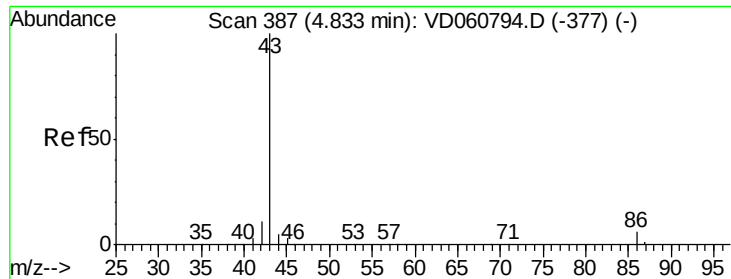
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.083 ug/l

RT: 4.86 min Scan# 390

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

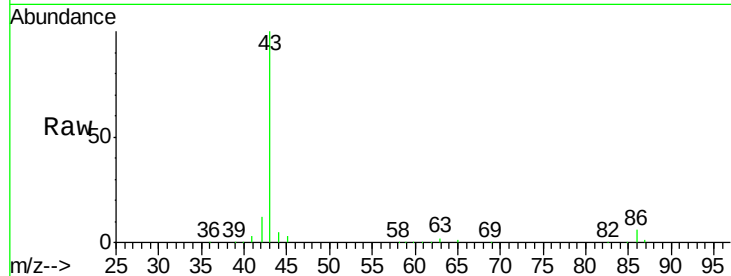
VD0130SBS01

Tot Ion: 43 Resp: 974463

Ion Ratio Lower Upper

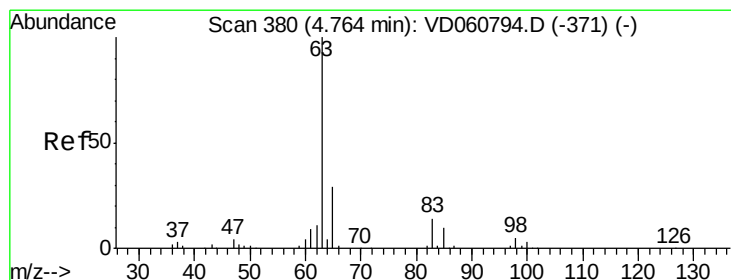
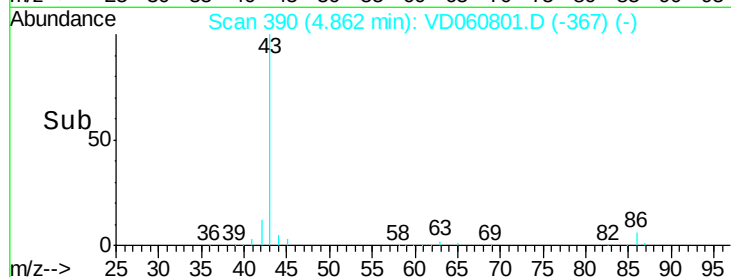
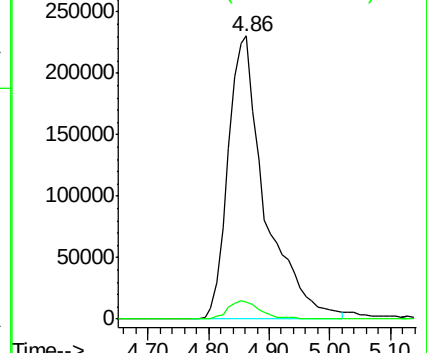
43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.201 ug/l

RT: 4.79 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

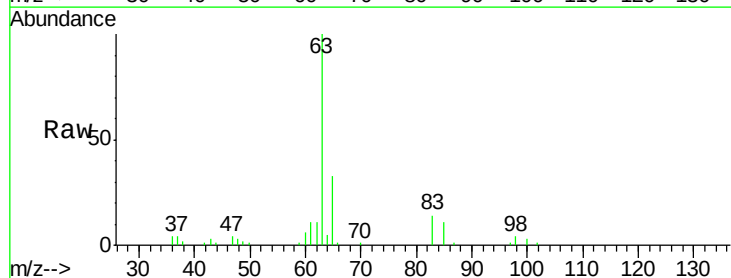
Tgt Ion: 63 Resp: 219213

Ion Ratio Lower Upper

63 100

98 4.0 2.3 6.9

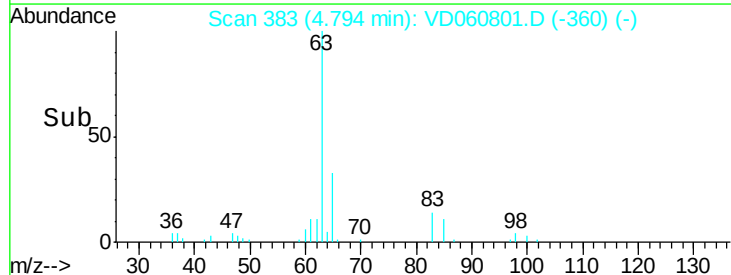
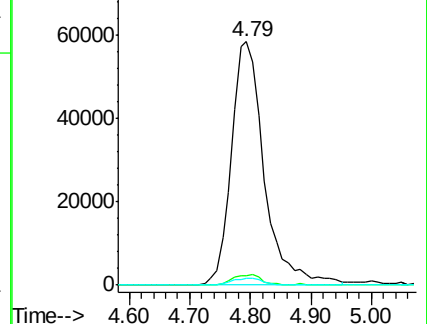
100 2.6 1.3 3.8

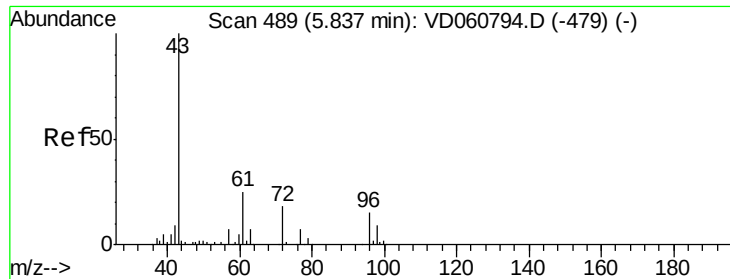


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.060 ug/l

RT: 5.87 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

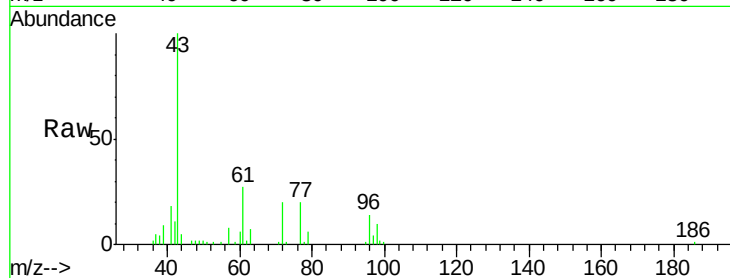
VD0130SBS01

Tot Ion: 43 Resp: 142864

Ion Ratio Lower Upper

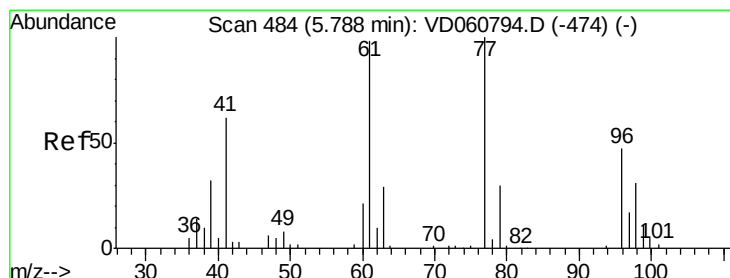
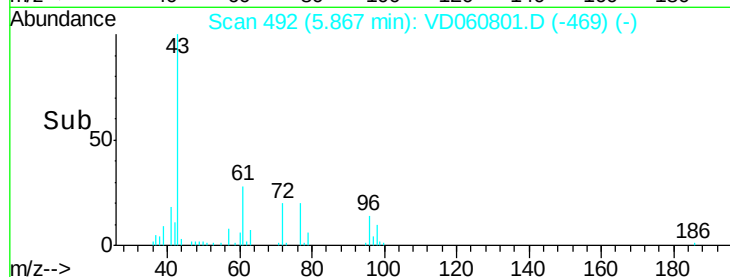
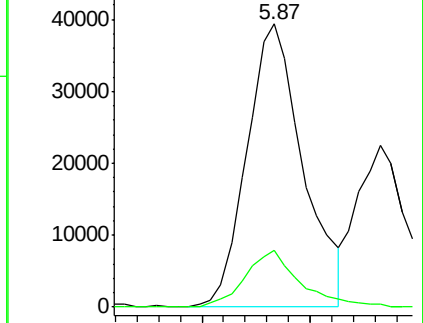
43 100

72 20.0 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.001 ug/l

RT: 5.81 min Scan# 486

Delta R.T. 0.02 min

Lab File: VD060801.D

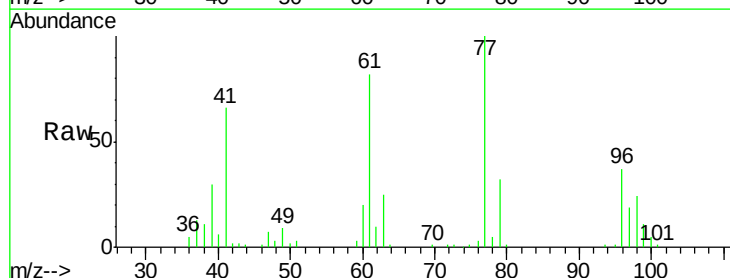
Acq: 30 Jan 2019 13:06

Tgt Ion: 77 Resp: 240128

Ion Ratio Lower Upper

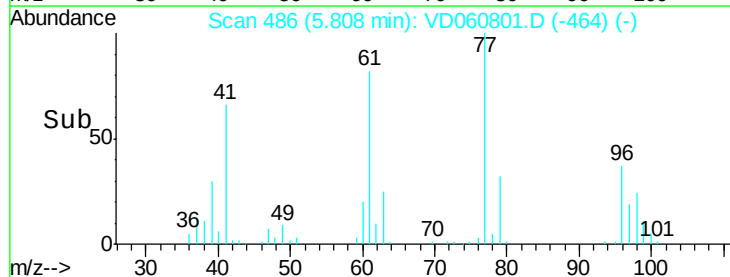
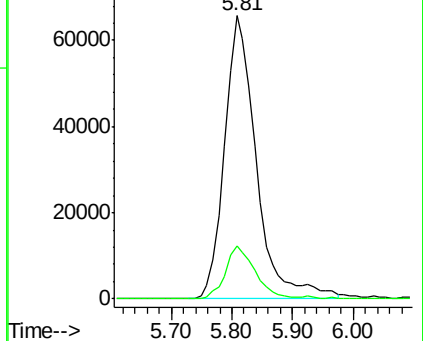
77 100

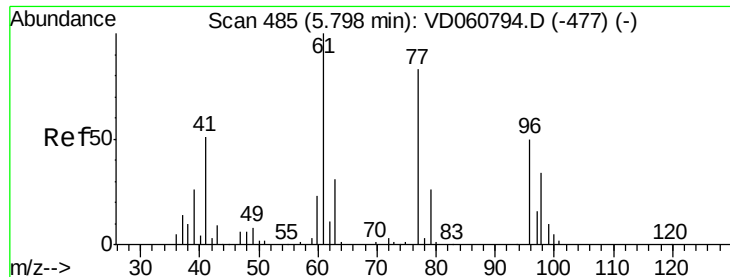
97 18.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



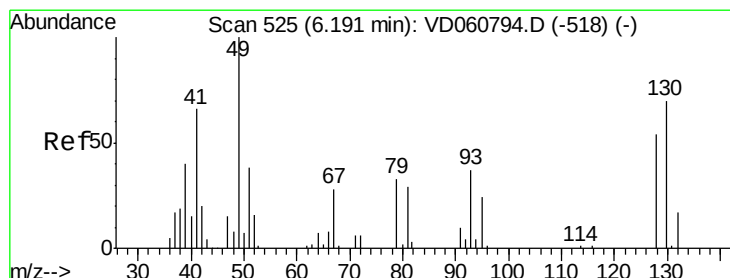
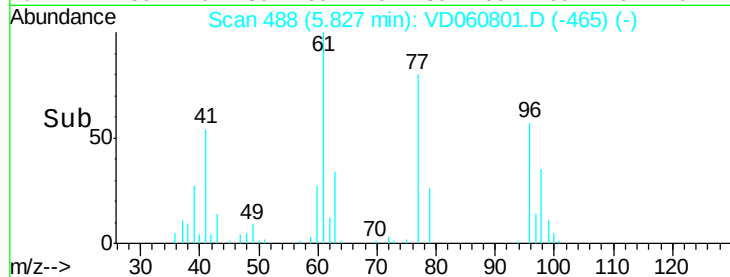
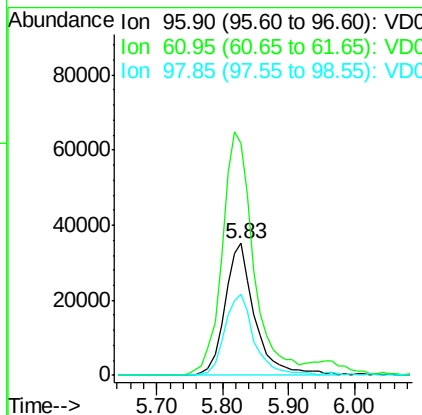
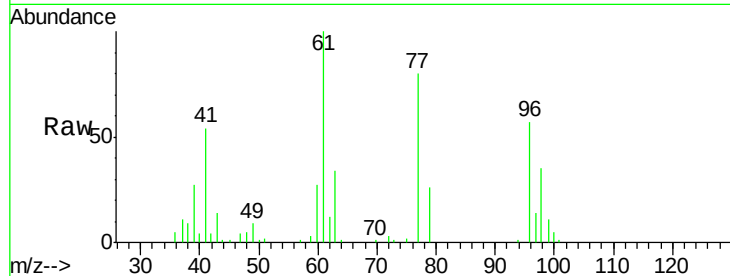


#27

cis-1,2-Dichloroethene
 Concen: 20.005 ug/l
 RT: 5.83 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

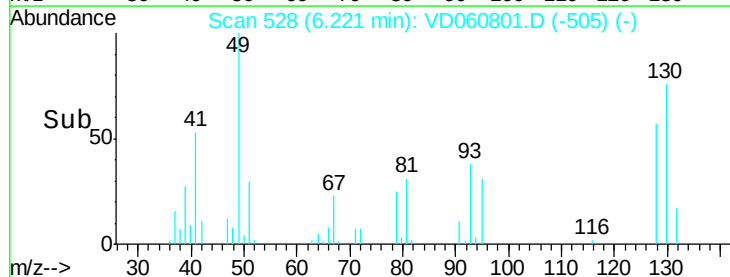
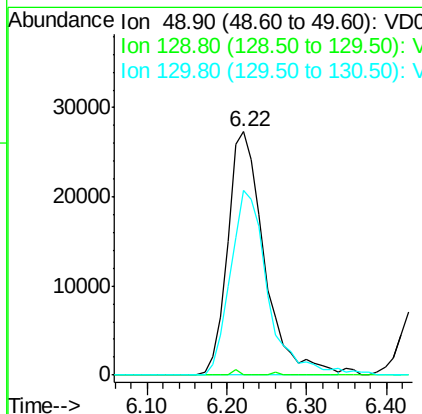
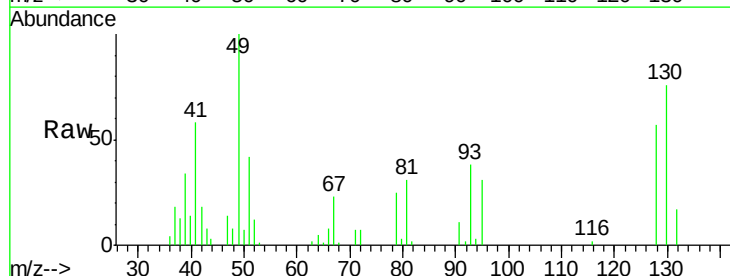
Tot Ion: 96 Resp: 111024
 Ion Ratio Lower Upper
 96 100
 61 176.6 0.0 400.0
 98 61.3 0.0 136.4

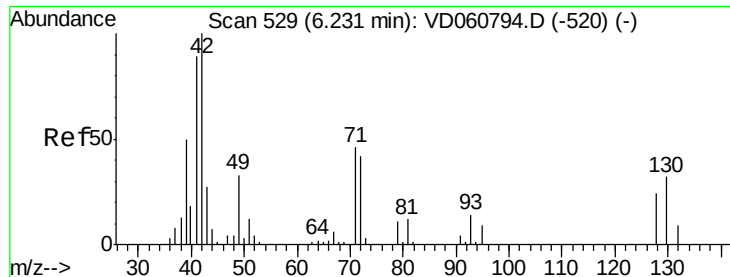


#28

Bromochloromethane
 Concen: 20.609 ug/l
 RT: 6.22 min Scan# 528
 Delta R.T. 0.03 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 49 Resp: 87244
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 75.8 56.1 84.1





#29

Tetrahydrofuran

Concen: 98.188 ug/l

RT: 6.25 min Scan# 531

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

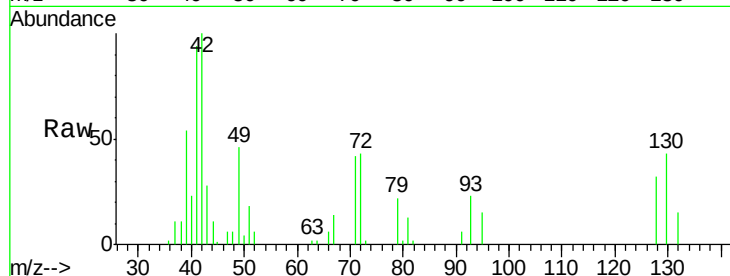
Tot Ion: 42 Resp: 70126

Ion Ratio Lower Upper

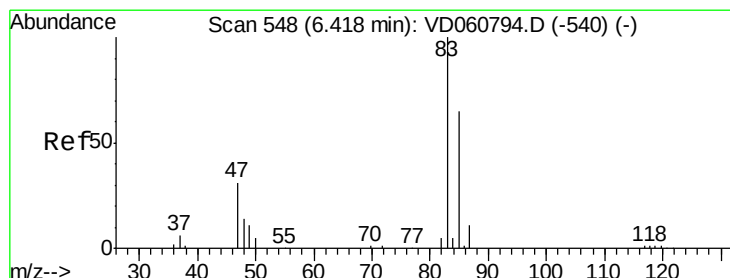
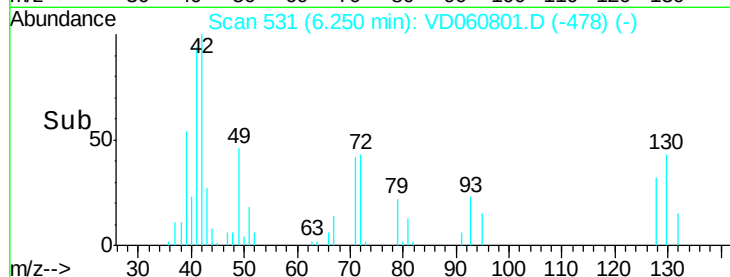
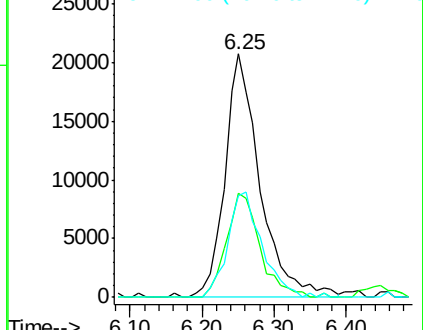
42 100

72 40.8 32.8 49.2

71 41.7 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.739 ug/l

RT: 6.44 min Scan# 550

Delta R.T. 0.02 min

Lab File: VD060801.D

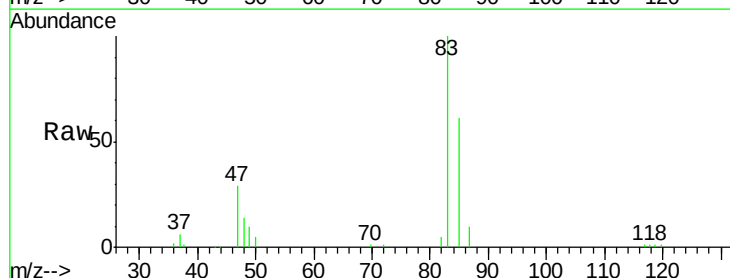
Acq: 30 Jan 2019 13:06

Tgt Ion: 83 Resp: 253166

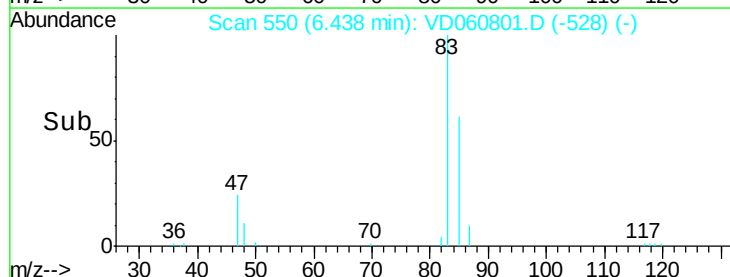
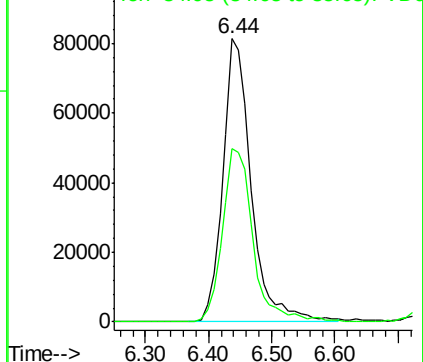
Ion Ratio Lower Upper

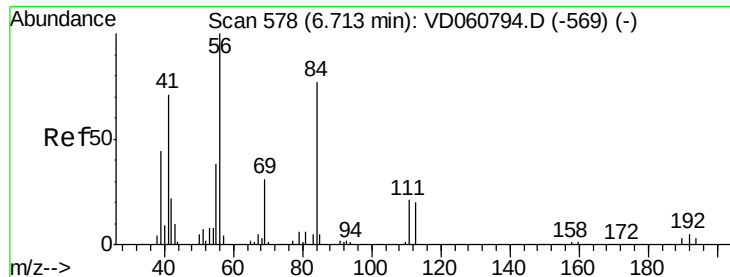
83 100

85 61.4 52.3 78.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

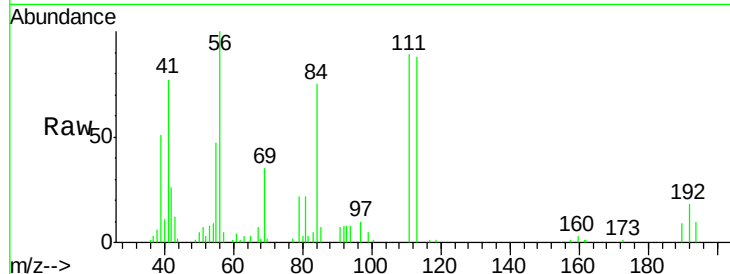




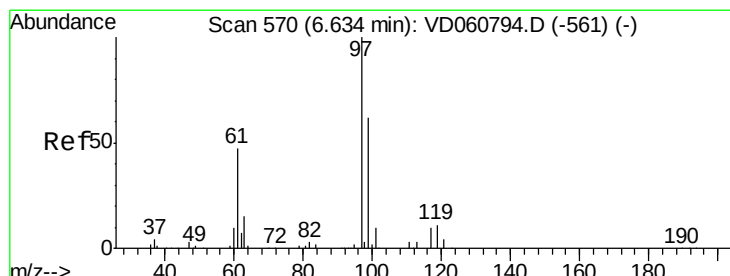
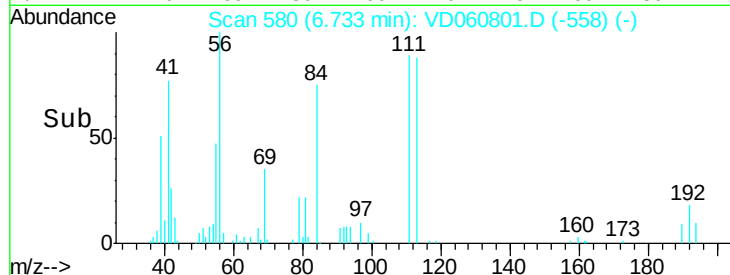
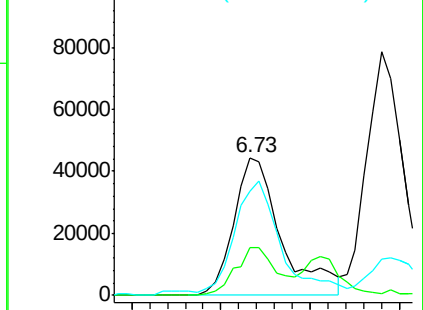
#31
Cyclohexane
Concen: 22.268 ug/l
RT: 6.73 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 56 Resp: 164408
Ion Ratio Lower Upper
56 100
69 34.8 25.1 37.7
84 75.3 63.9 95.9

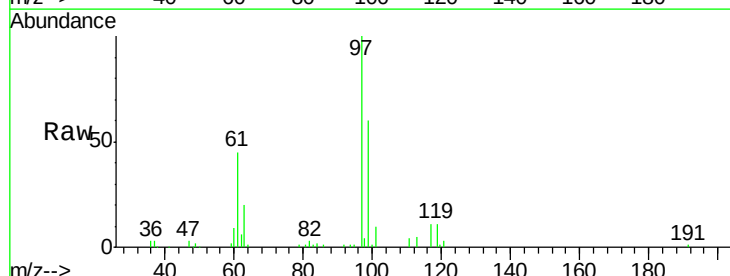


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

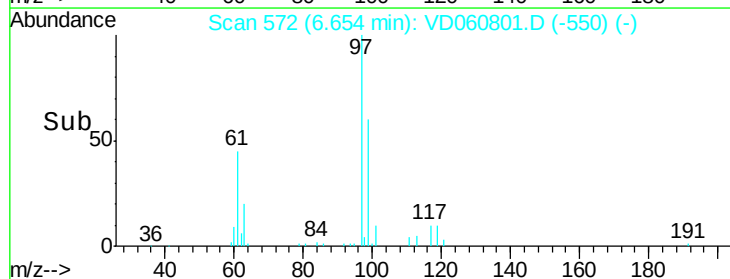
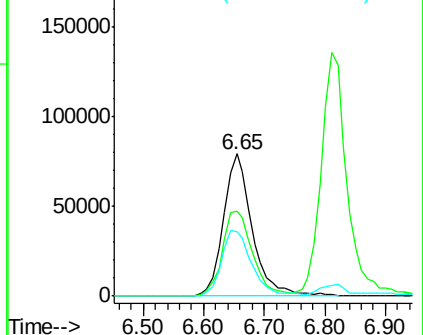


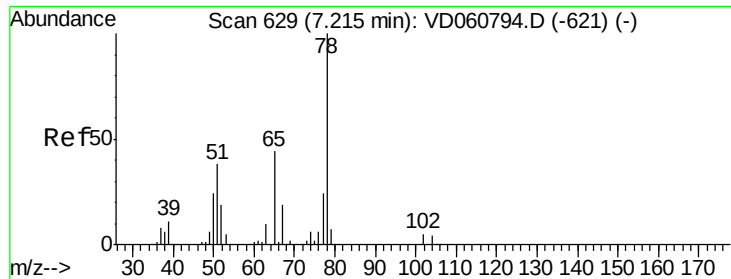
#32
1,1,1-Trichloroethane
Concen: 21.118 ug/l
RT: 6.65 min Scan# 572
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion: 97 Resp: 260841
Ion Ratio Lower Upper
97 100
99 60.1 49.6 74.4
61 45.4 37.4 56.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

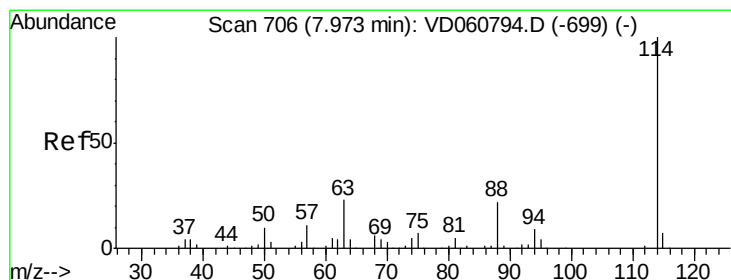
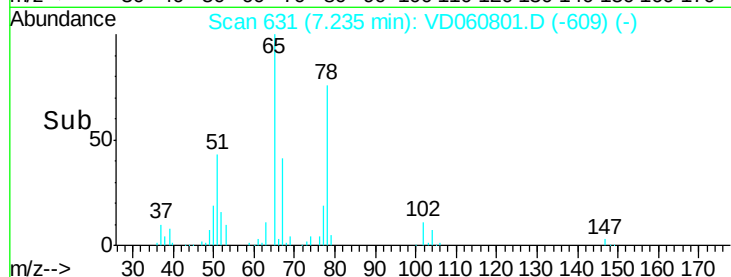
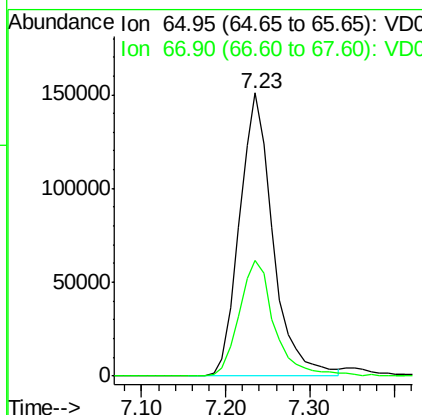
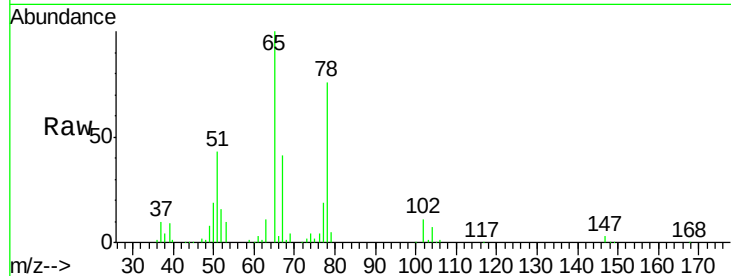




#33
 1,2-Dichloroethane-d4
 Concen: 21.118 ug/l
 RT: 7.23 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

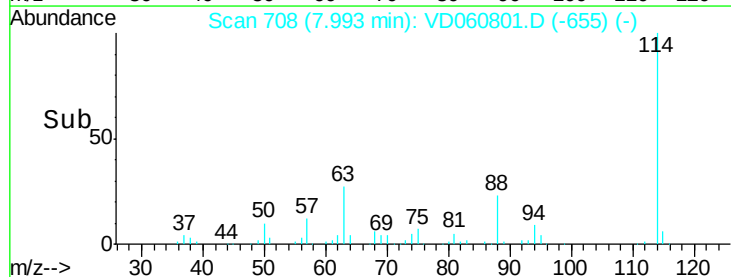
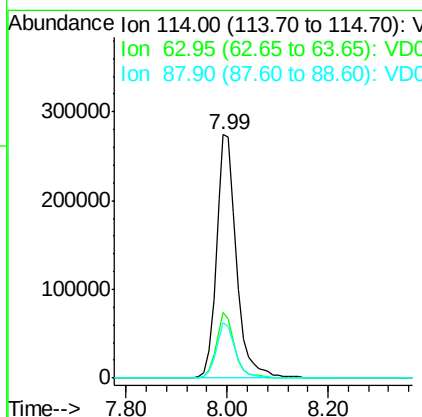
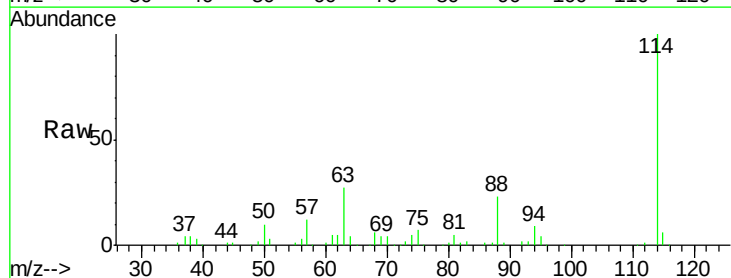
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

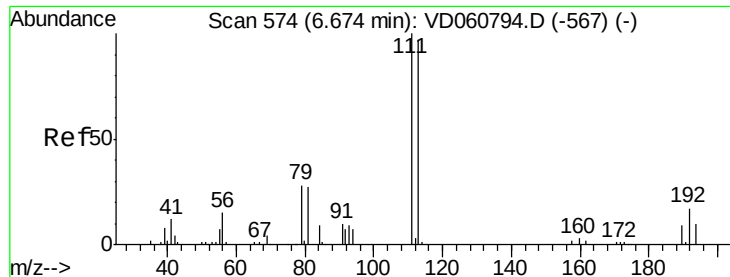
Tot Ion: 65 Resp: 417683
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.99 min Scan# 708
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 114 Resp: 763444
 Ion Ratio Lower Upper
 114 100
 63 27.1 0.0 46.6
 88 22.7 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.70 min Scan# 577

Delta R.T. 0.03 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

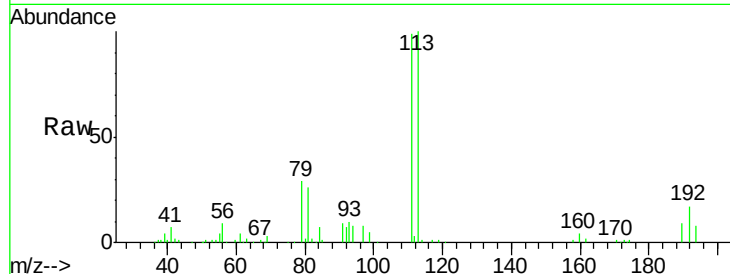
Tot Ion:113 Resp: 378073

Ion Ratio Lower Upper

113 100

111 99.0 82.3 123.5

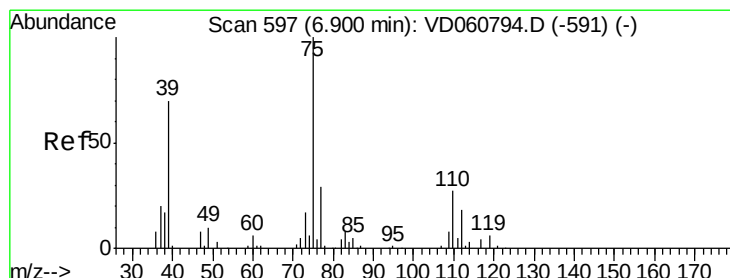
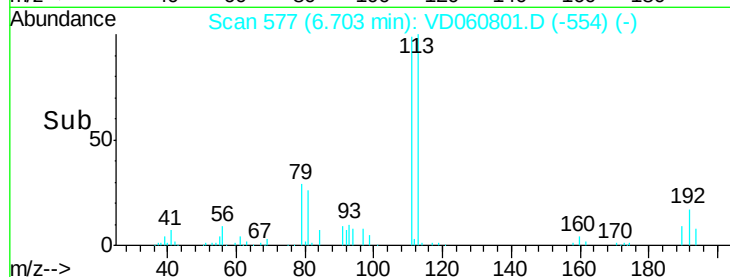
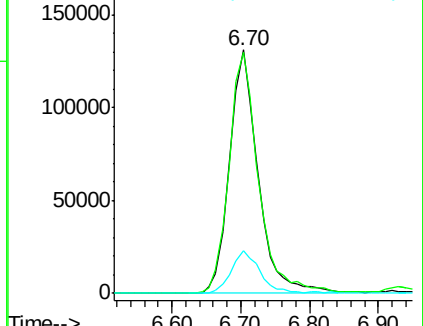
192 17.3 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.822 ug/l

RT: 6.92 min Scan# 599

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

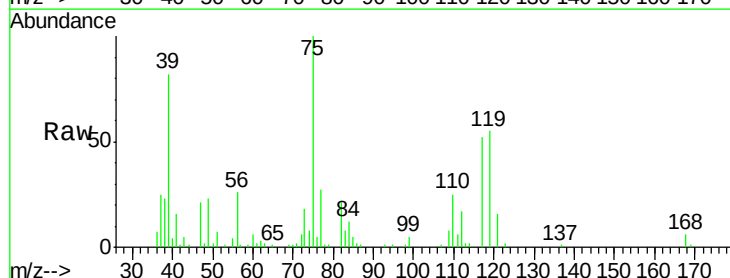
Tgt Ion: 75 Resp: 171565

Ion Ratio Lower Upper

75 100

110 24.6 13.5 40.4

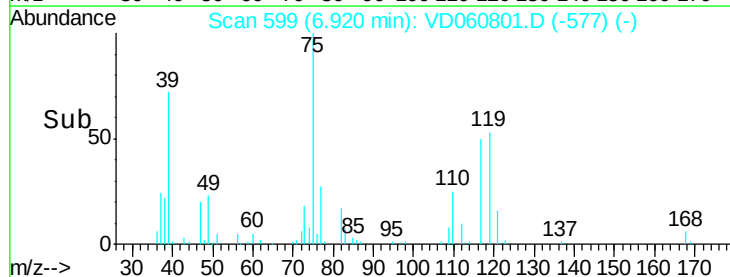
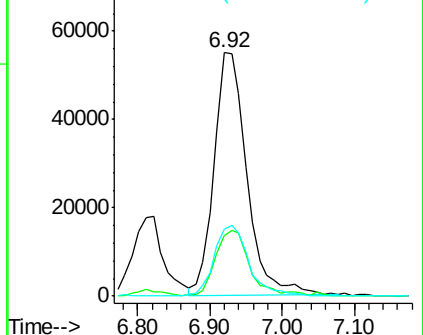
77 27.4 23.4 35.2

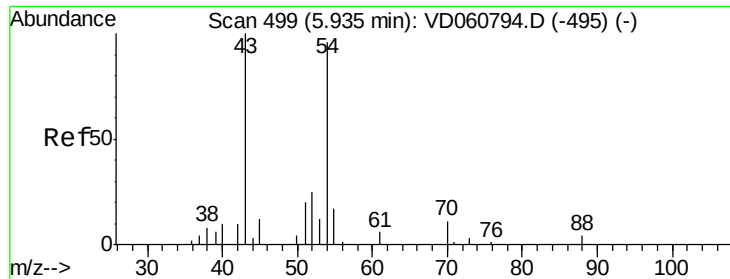


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

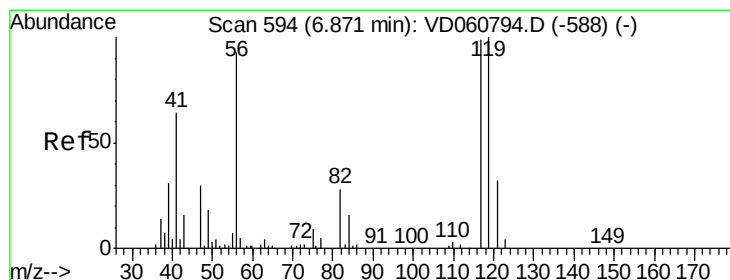
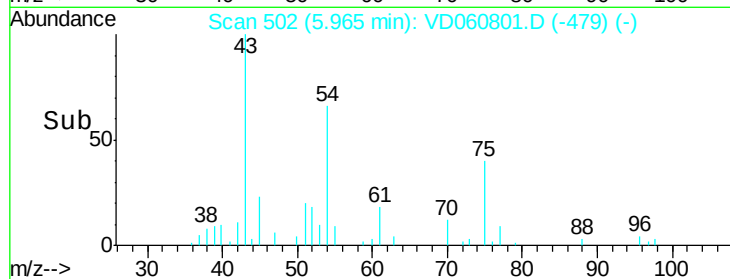
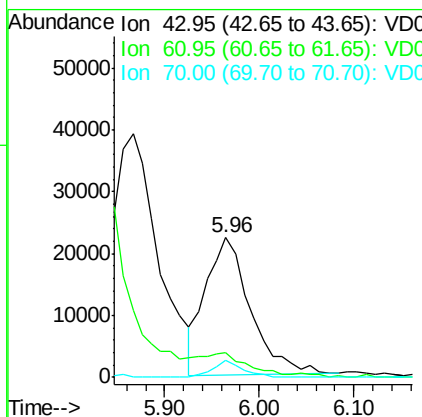
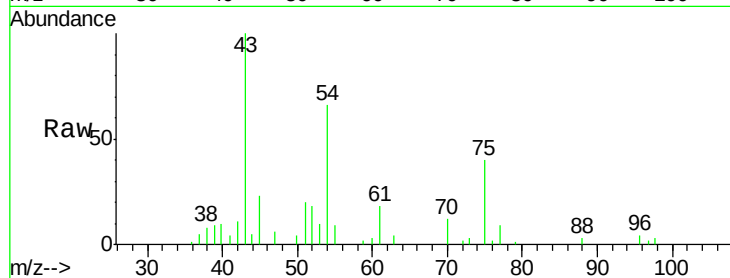




#37
Ethyl Acetate
Concen: 17.822 ug/l
RT: 5.96 min Scan# 502
Delta R.T. 0.03 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

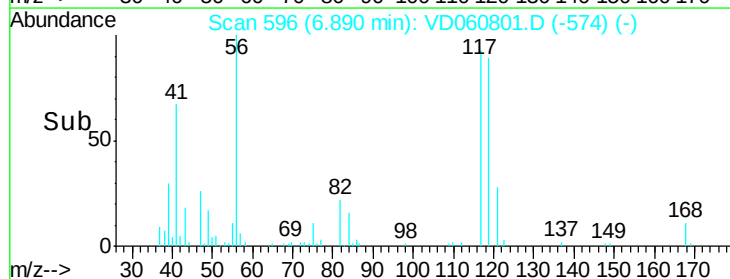
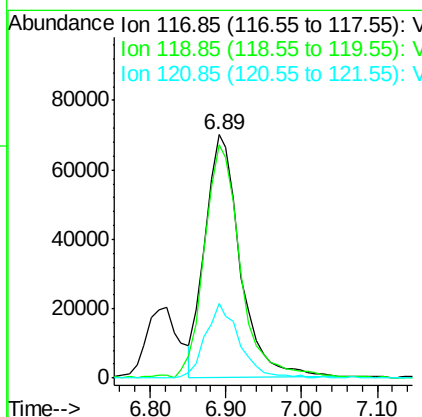
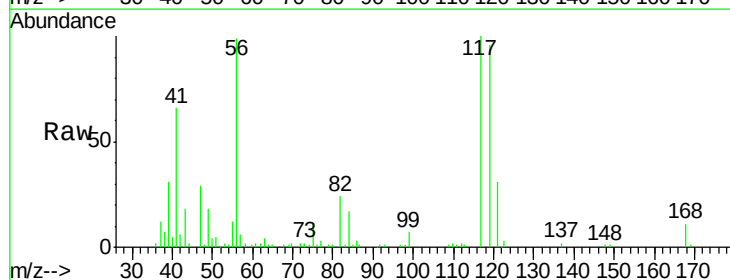
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

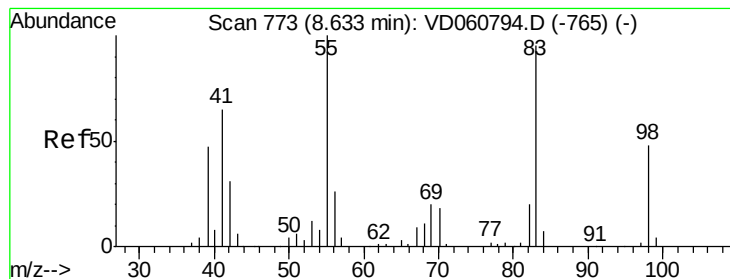
Tot Ion: 43 Resp: 72519
Ion Ratio Lower Upper
43 100
61 17.7 12.3 18.5
70 12.2 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 19.710 ug/l
RT: 6.89 min Scan# 596
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion: 117 Resp: 225292
Ion Ratio Lower Upper
117 100
119 96.0 75.6 113.4
121 30.5 23.4 35.2





#39

Methylvlcyclohexane

Concen: 20.150 ug/l

RT: 8.65 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

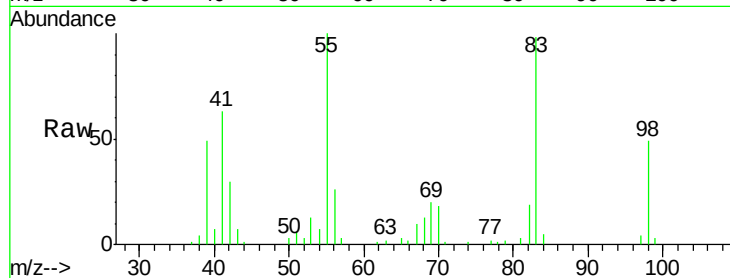
Tot Ion: 83 Resp: 153815

Ion Ratio Lower Upper

83 100

55 101.6 83.8 125.8

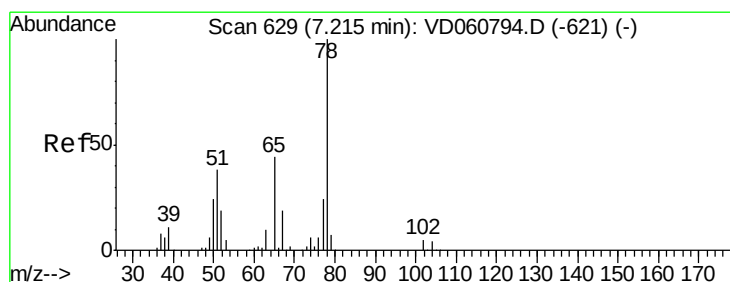
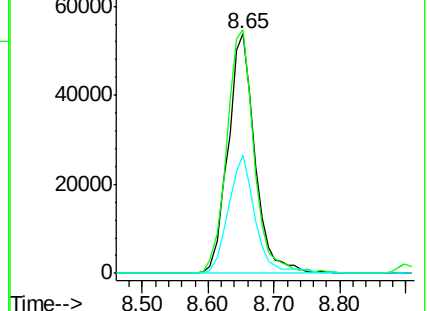
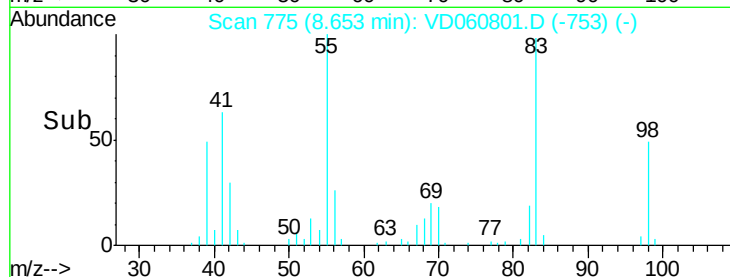
98 49.3 39.8 59.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.237 ug/l

RT: 7.23 min Scan# 631

Delta R.T. 0.02 min

Lab File: VD060801.D

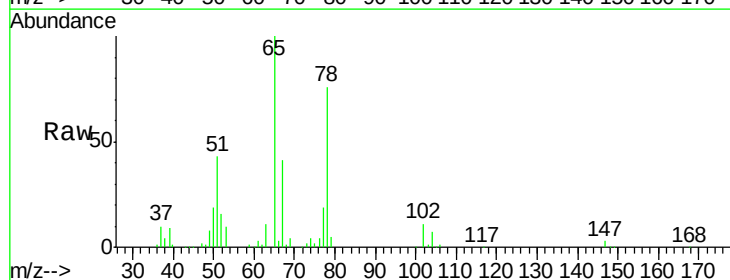
Acq: 30 Jan 2019 13:06

Tgt Ion: 78 Resp: 346077

Ion Ratio Lower Upper

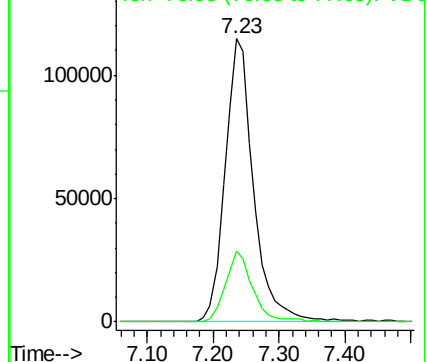
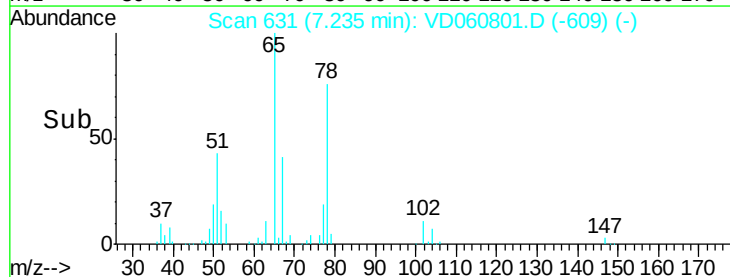
78 100

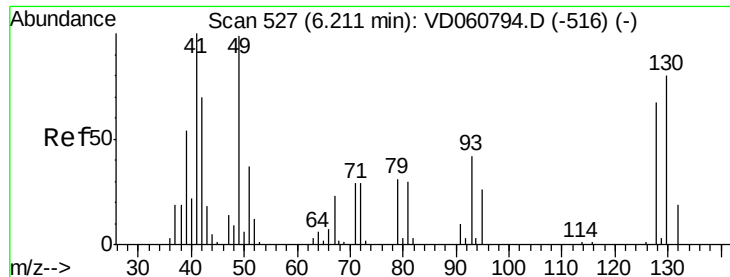
77 25.1 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 36.559 ug/l

RT: 6.25 min Scan# 531

Delta R.T. 0.04 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 41 Resp: 94475

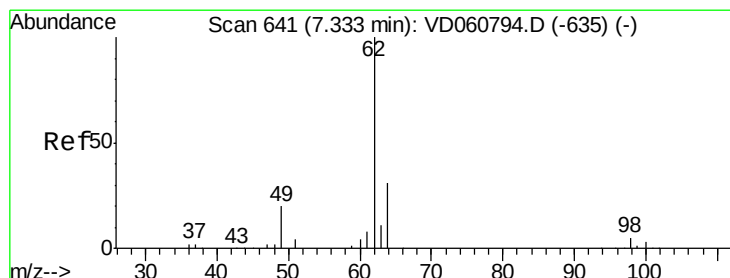
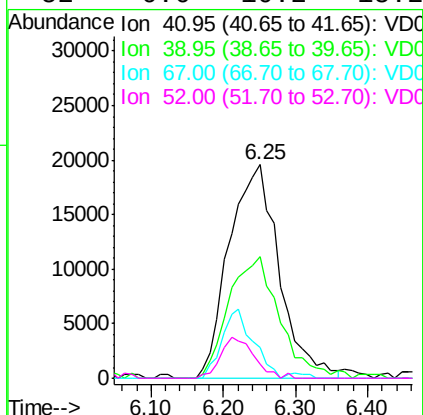
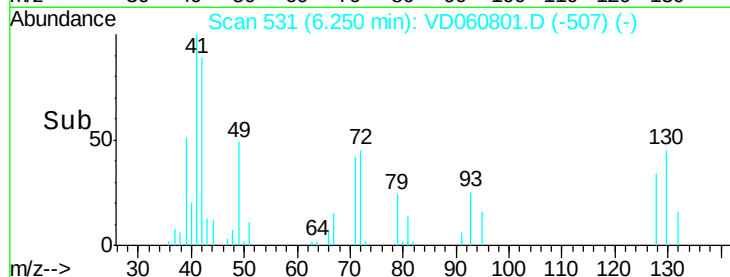
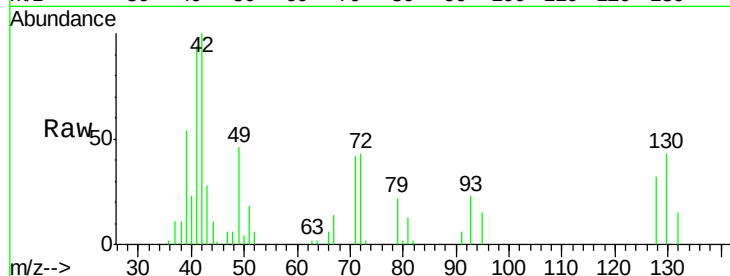
Ion Ratio Lower Upper

41 100

39 57.1 43.6 65.4

67 14.6 18.5 27.7#

52 6.6 10.2 15.2#



#42

1,2-Dichloroethane

Concen: 19.283 ug/l

RT: 7.36 min Scan# 644

Delta R.T. 0.03 min

Lab File: VD060801.D

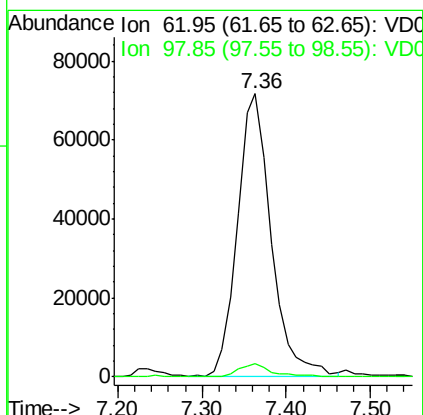
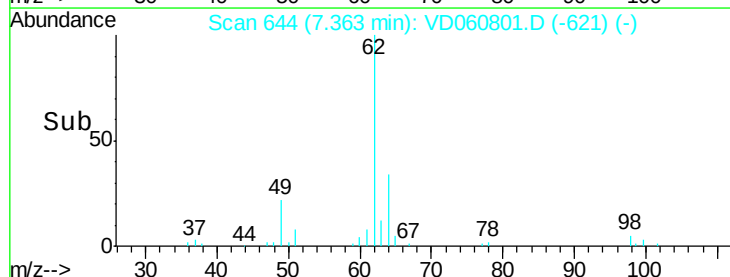
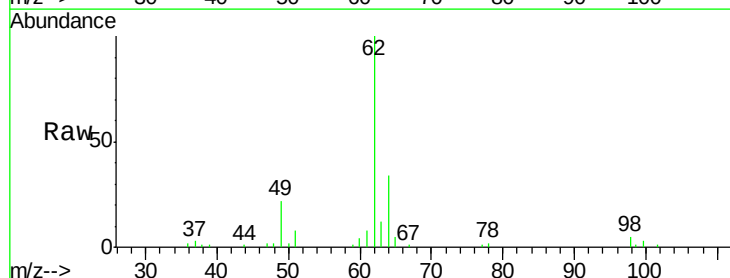
Acq: 30 Jan 2019 13:06

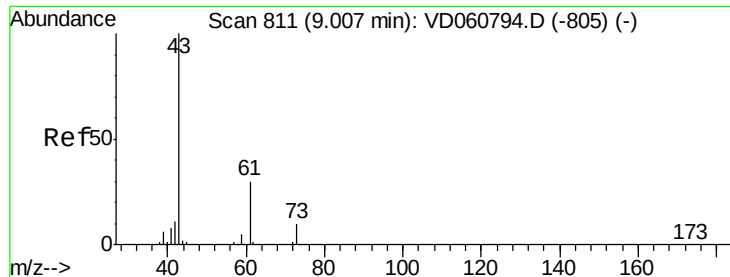
Tgt Ion: 62 Resp: 201538

Ion Ratio Lower Upper

62 100

98 4.8 0.0 10.2





#43

Isopropyl Acetate

Concen: 18.360 ug/l

RT: 9.03 min Scan# 813

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

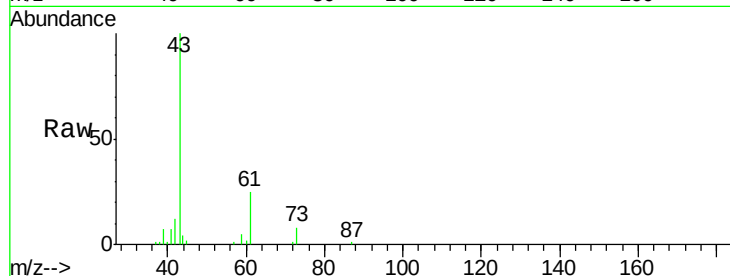
Tot Ion: 43 Resp: 97438

Ion Ratio Lower Upper

43 100

61 25.2 24.1 36.1

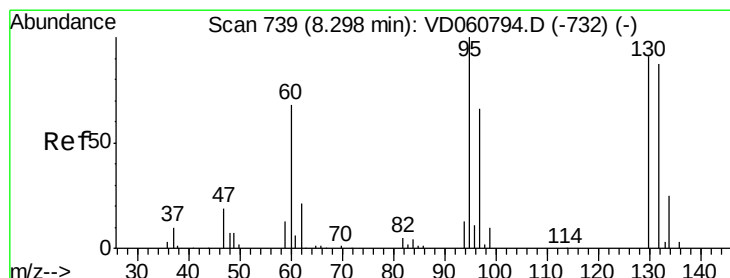
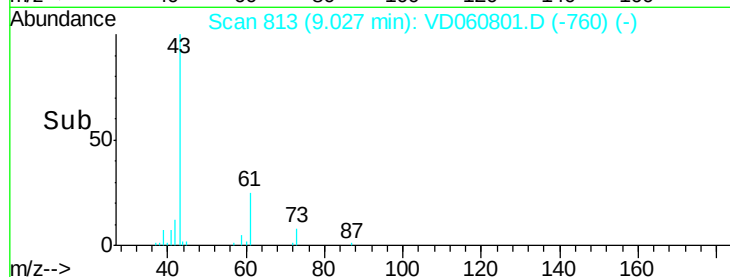
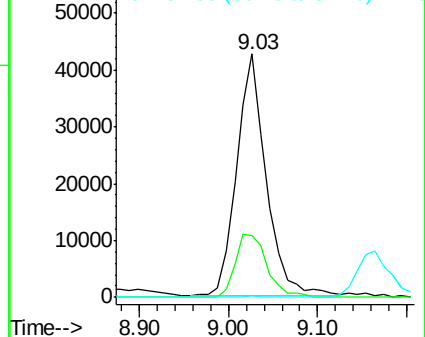
87 0.7 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.832 ug/l

RT: 8.32 min Scan# 741

Delta R.T. 0.02 min

Lab File: VD060801.D

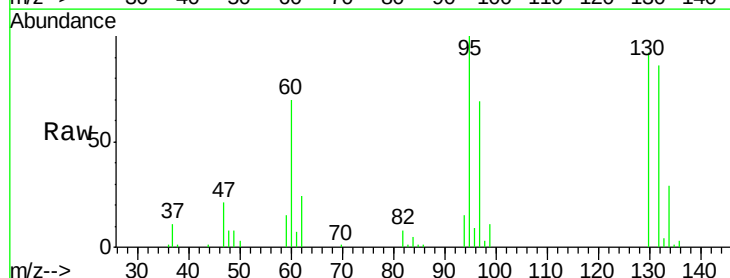
Acq: 30 Jan 2019 13:06

Tgt Ion:130 Resp: 120952

Ion Ratio Lower Upper

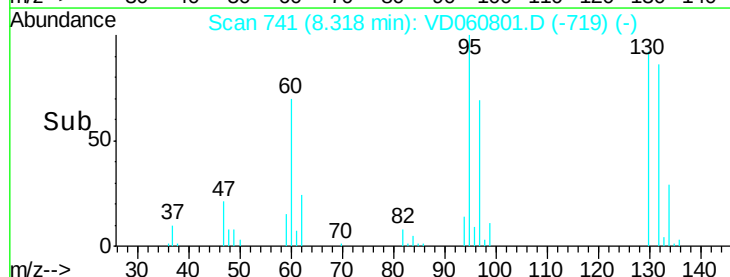
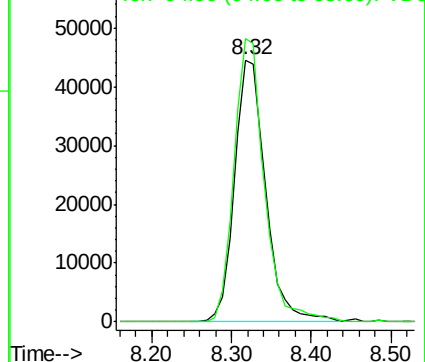
130 100

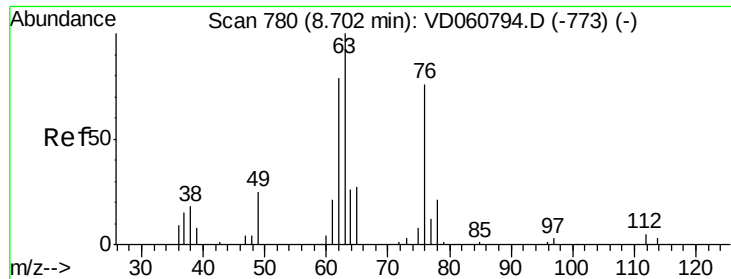
95 108.2 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

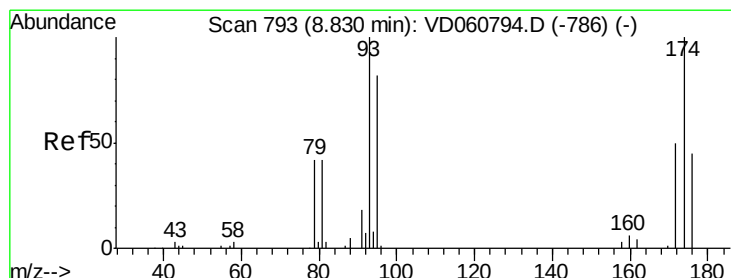
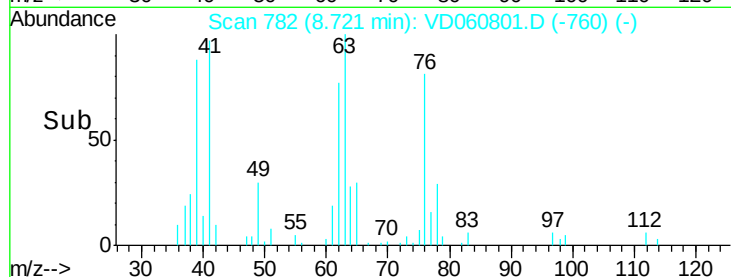
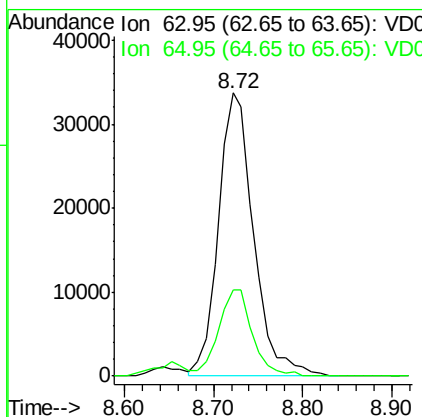
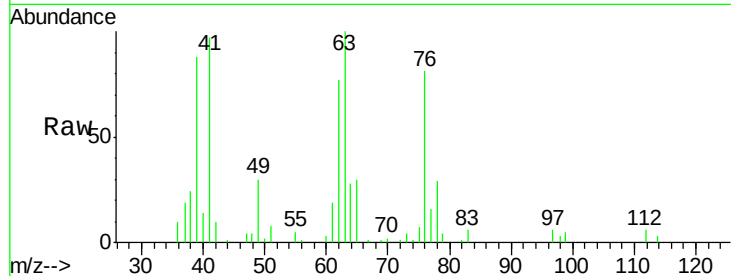




#45
 1,2-Dichloropropane
 Concen: 19.106 ug/l
 RT: 8.72 min Scan# 782
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

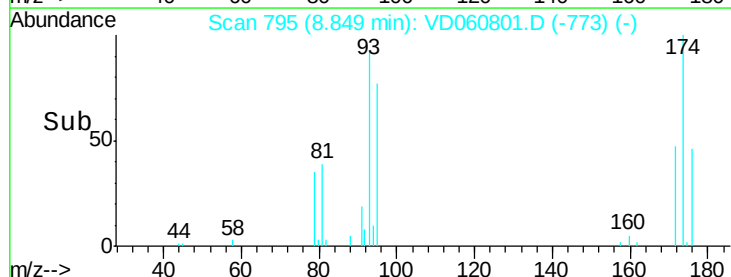
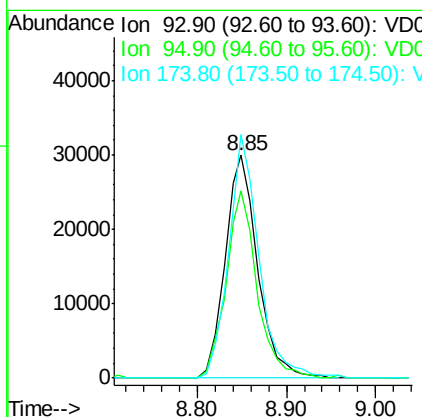
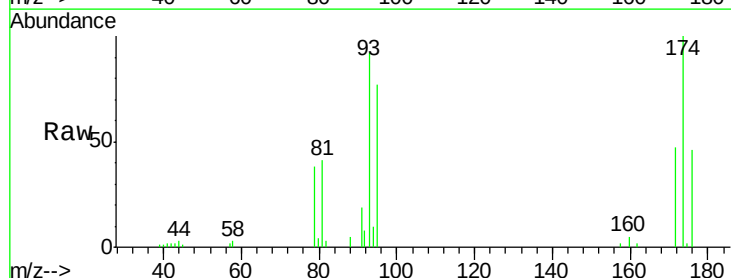
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

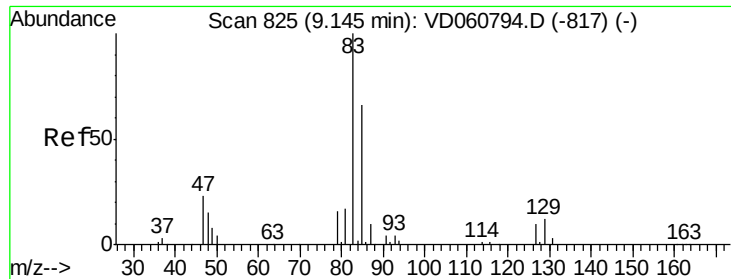
Tot Ion: 63 Resp: 93046
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.1 36.1



#46
 Dibromomethane
 Concen: 20.123 ug/l
 RT: 8.85 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 93 Resp: 76078
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.8 98.8
 174 109.2 79.8 119.6





#47

Bromodichloromethane

Concen: 19.396 ug/l

RT: 9.16 min Scan# 827

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

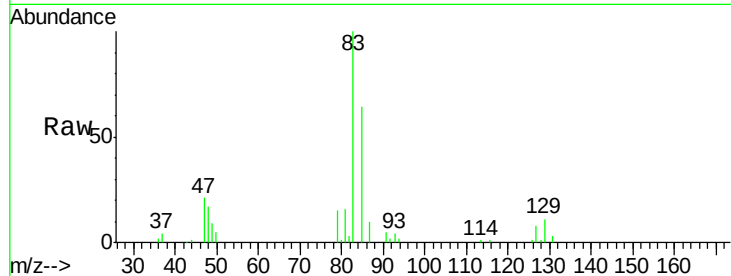
Tot Ion: 83 Resp: 197928

Ion Ratio Lower Upper

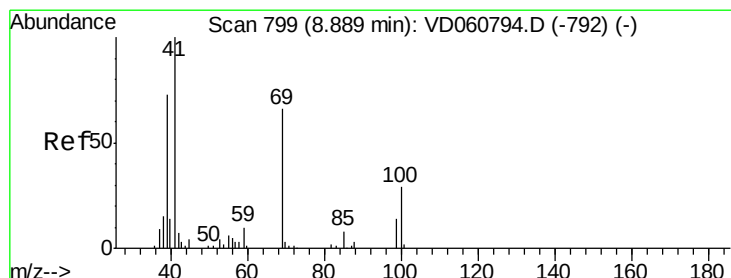
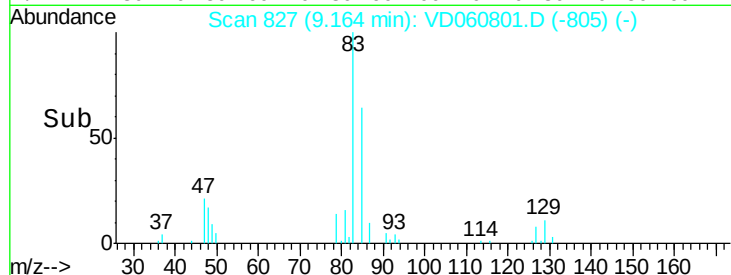
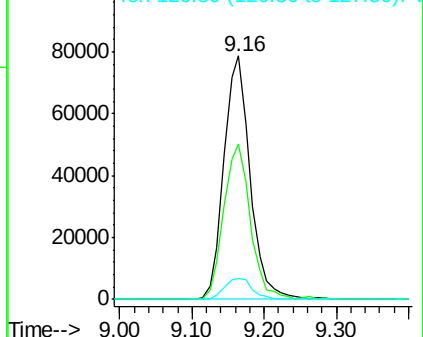
83 100

85 63.8 52.6 79.0

127 8.4 7.7 11.5



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.299 ug/l

RT: 8.90 min Scan# 800

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

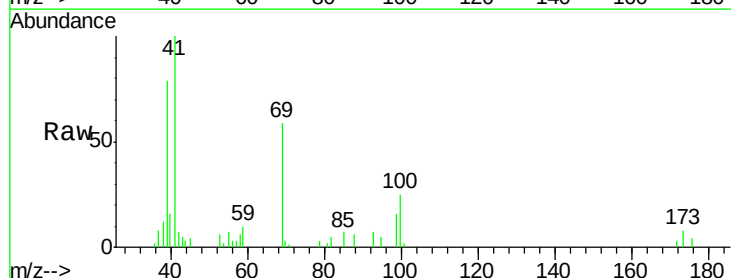
Tgt Ion: 41 Resp: 66970

Ion Ratio Lower Upper

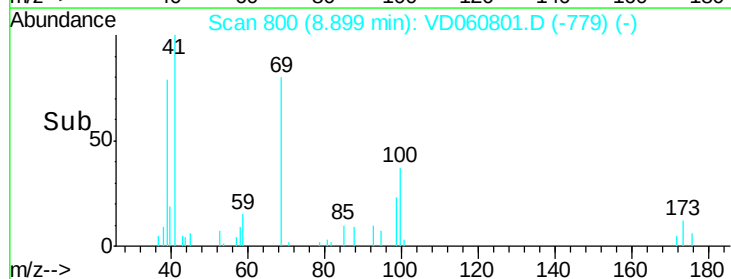
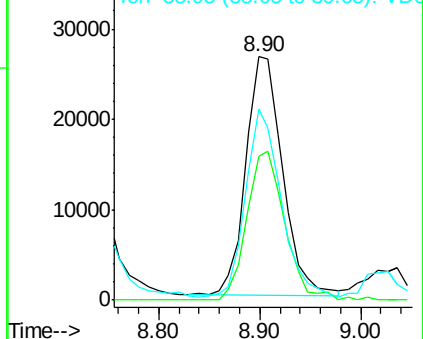
41 100

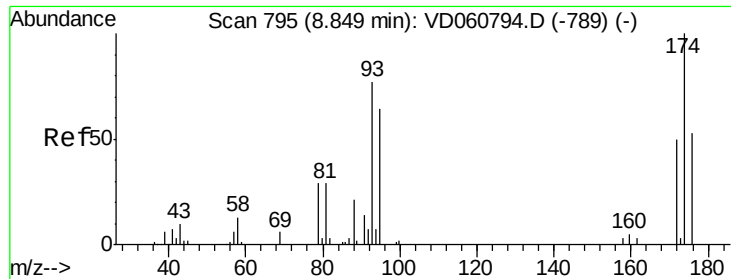
69 59.1 52.5 78.7

39 78.7 59.0 88.6



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 365.924 ug/l

RT: 8.87 min Scan# 797

Delta R.T. 0.02 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

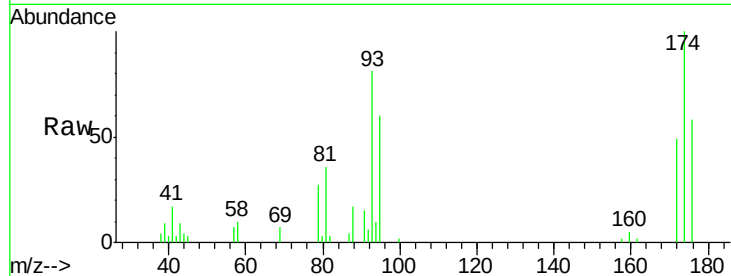
Tot Ion: 88 Resp: 10927

Ion Ratio Lower Upper

88 100

43 55.8 40.9 61.3

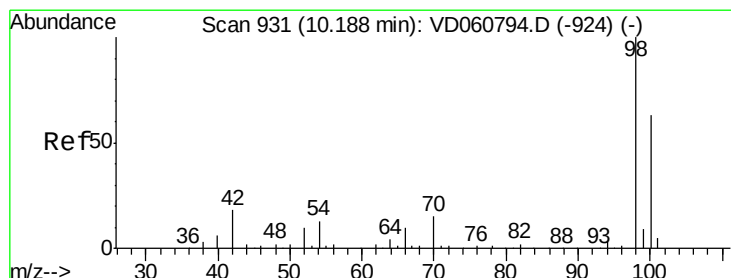
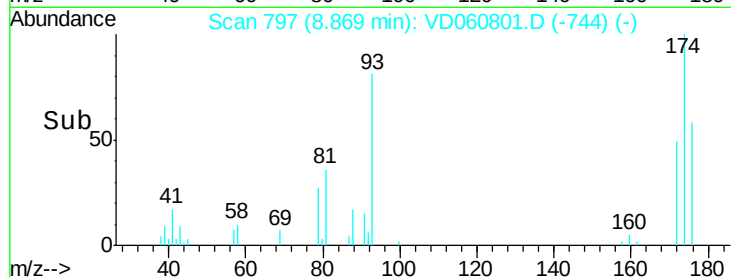
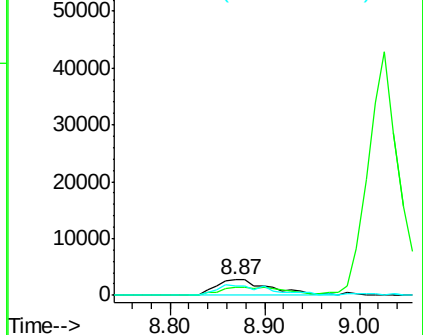
58 60.8 52.2 78.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 365.924 ug/l

RT: 10.21 min Scan# 933

Delta R.T. 0.02 min

Lab File: VD060801.D

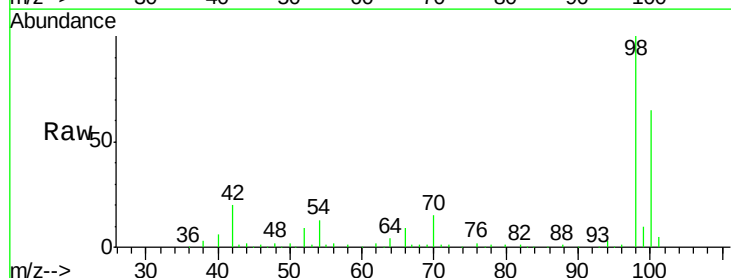
Acq: 30 Jan 2019 13:06

Tgt Ion: 98 Resp: 854041

Ion Ratio Lower Upper

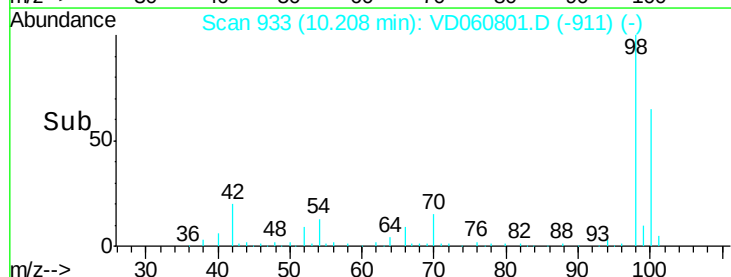
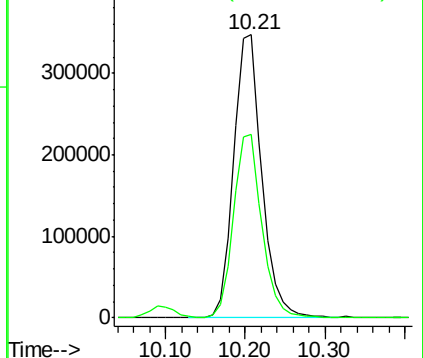
98 100

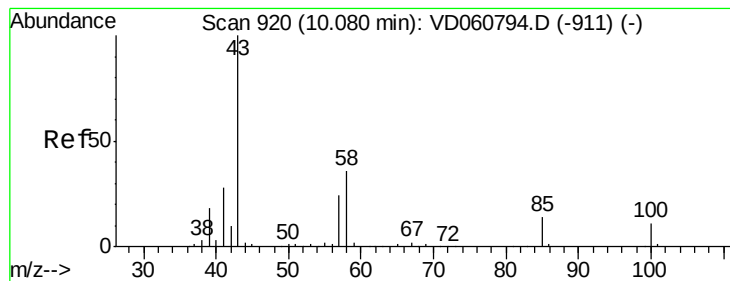
100 65.1 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 89.703 ug/l

RT: 10.09 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

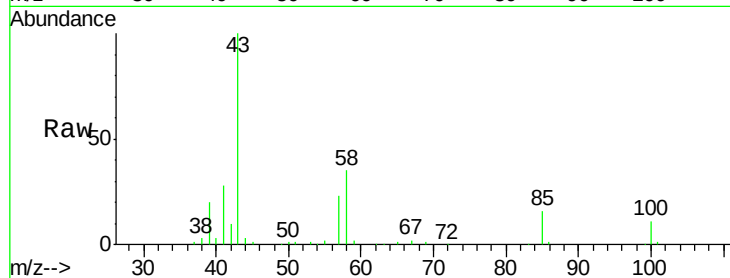
VD0130SBS01

Tot Ion: 43 Resp: 308292

Ion Ratio Lower Upper

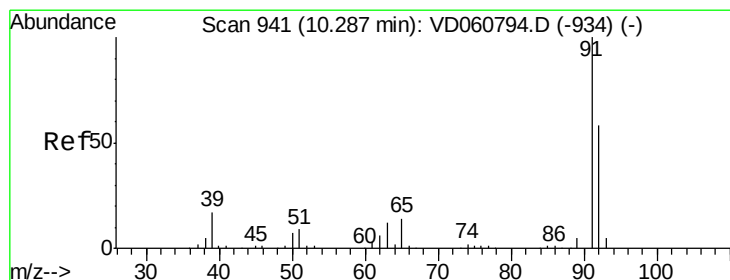
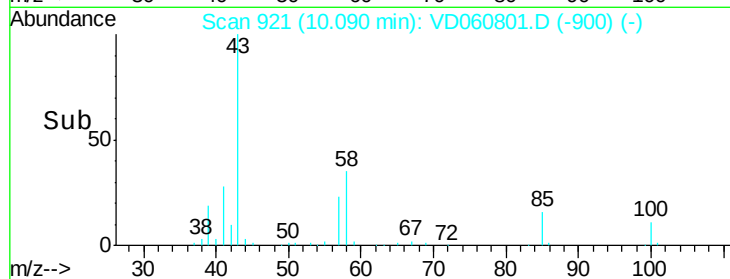
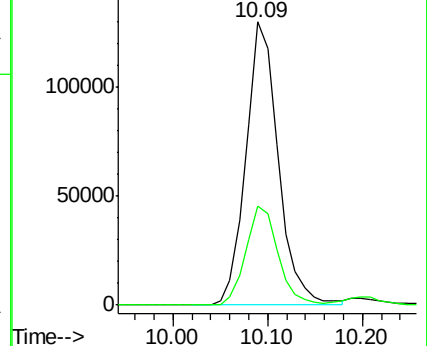
43 100

58 35.0 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.213 ug/l

RT: 10.30 min Scan# 942

Delta R.T. 0.01 min

Lab File: VD060801.D

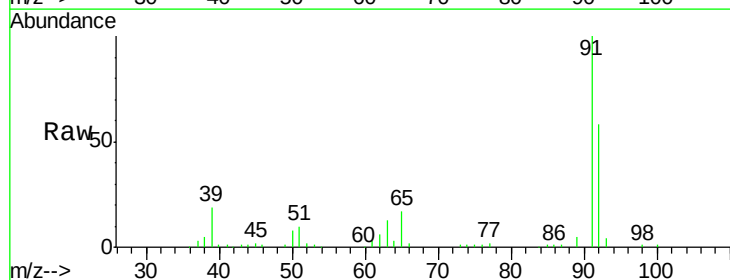
Acq: 30 Jan 2019 13:06

Tgt Ion: 92 Resp: 230673

Ion Ratio Lower Upper

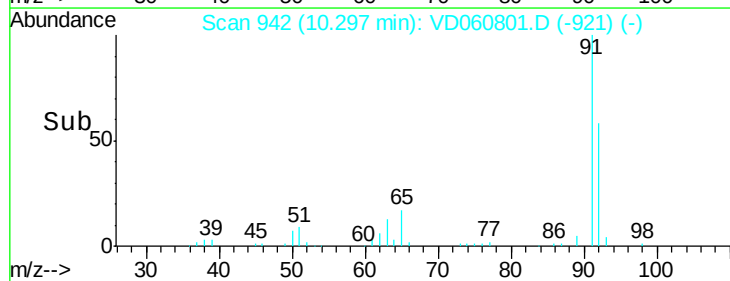
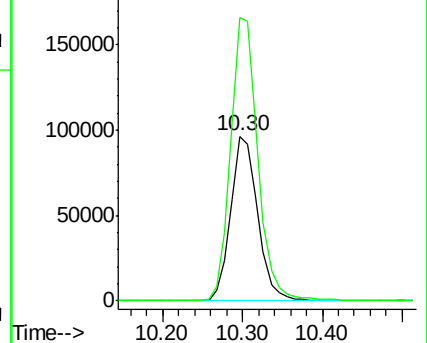
92 100

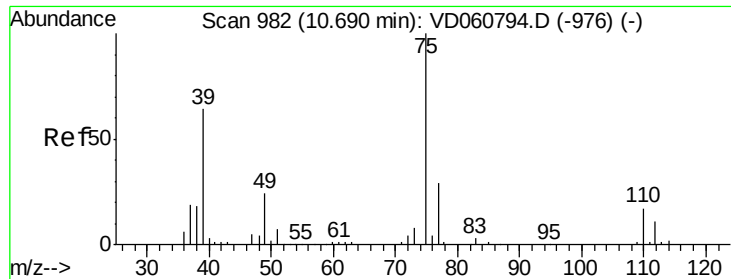
91 171.7 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

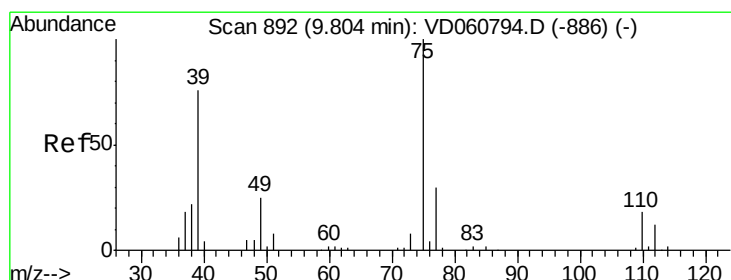
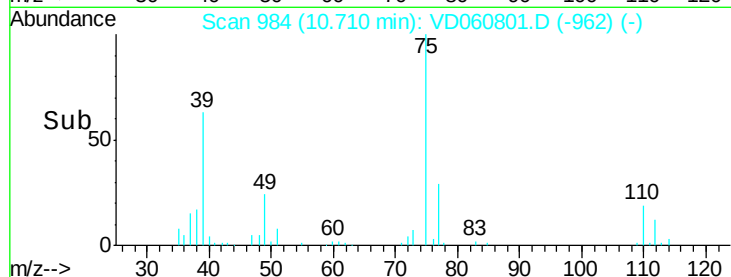
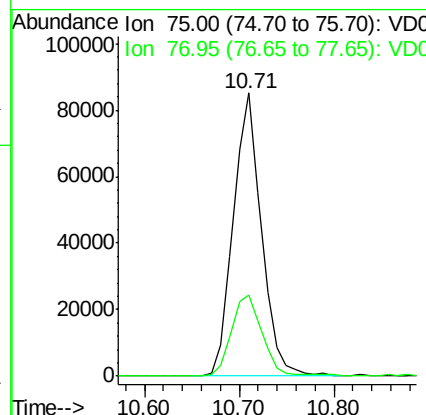
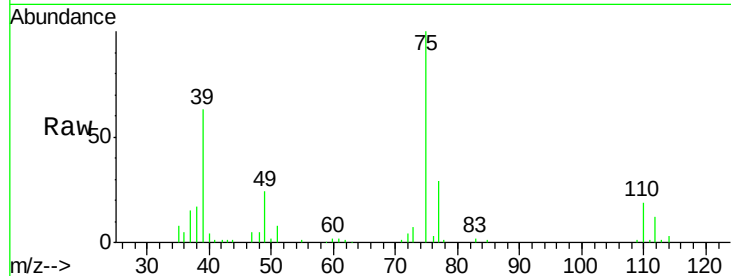




#53
 t-1,3-Dichloropropene
 Concen: 19.499 ug/l
 RT: 10.71 min Scan# 984
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

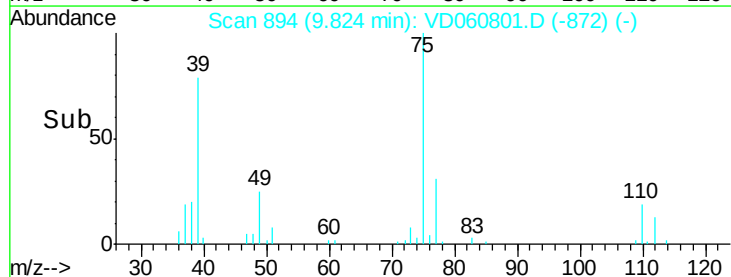
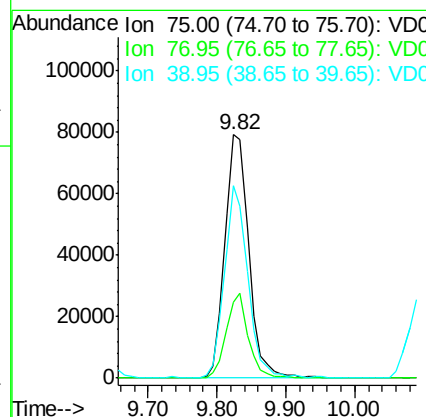
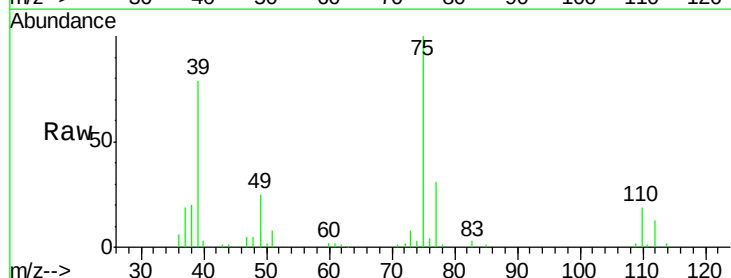
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

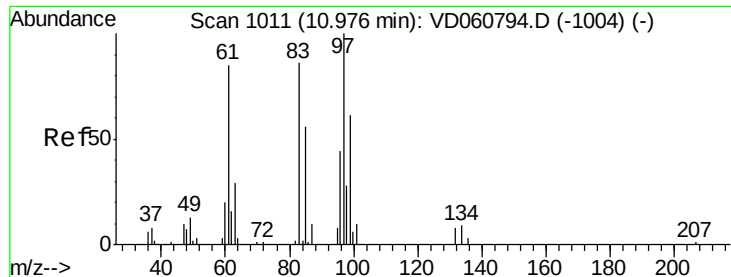
Tot Ion: 75 Resp: 175028
 Ion Ratio Lower Upper
 75 100
 77 28.8 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 20.800 ug/l
 RT: 9.82 min Scan# 894
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 75 Resp: 191462
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.9 35.9
 39 79.2 60.4 90.6

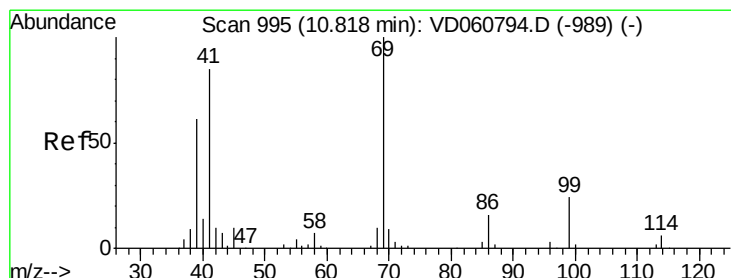
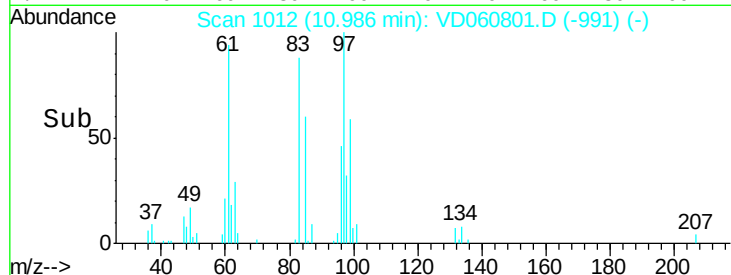
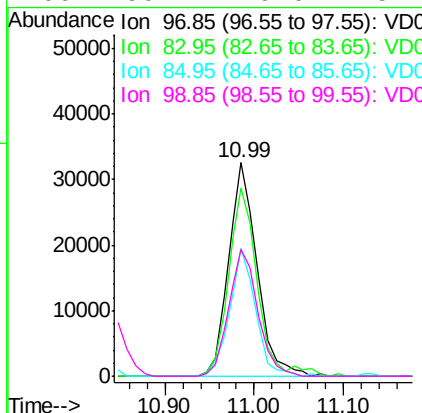
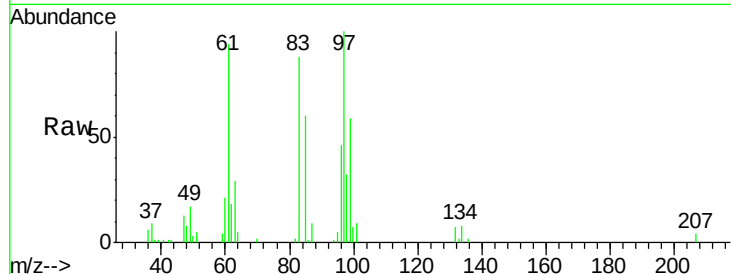




#55
 1,1,2-Trichloroethane
 Concen: 18.803 ug/l
 RT: 10.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

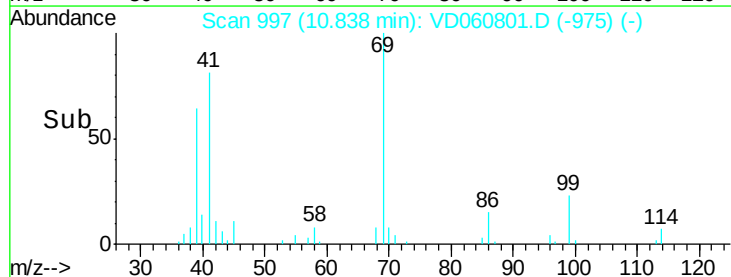
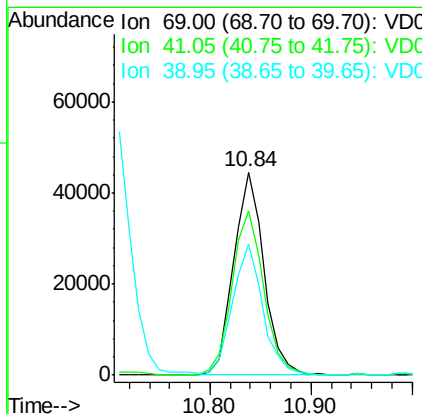
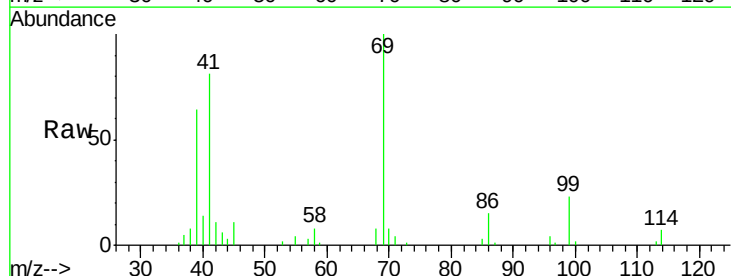
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

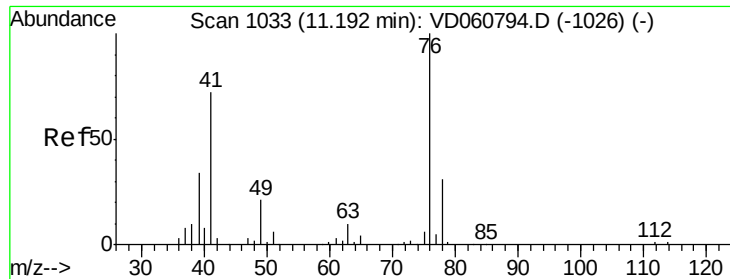
Tot Ion: 97 Resp: 73160
 Ion Ratio Lower Upper
 97 100
 83 87.9 68.5 102.7
 85 59.7 45.0 67.6
 99 59.4 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 19.654 ug/l
 RT: 10.84 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 69 Resp: 92637
 Ion Ratio Lower Upper
 69 100
 41 81.0 68.2 102.2
 39 64.2 49.4 74.0

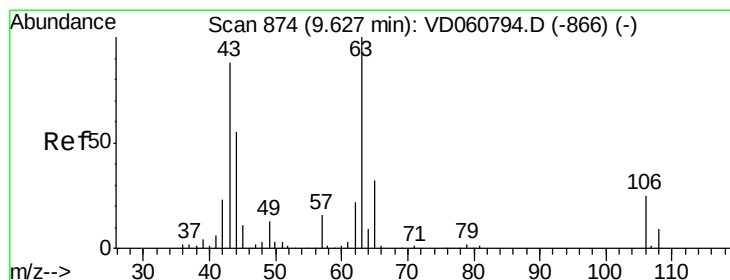
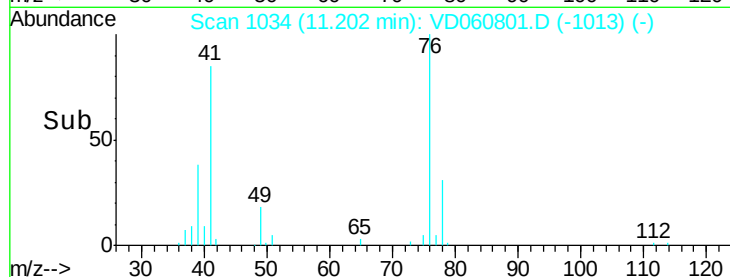
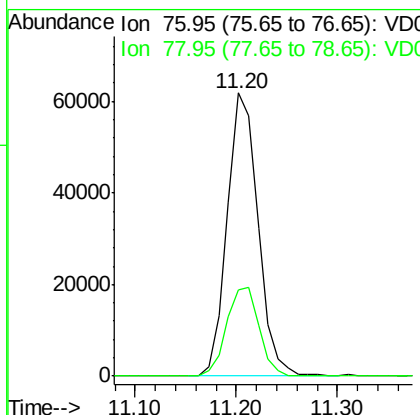
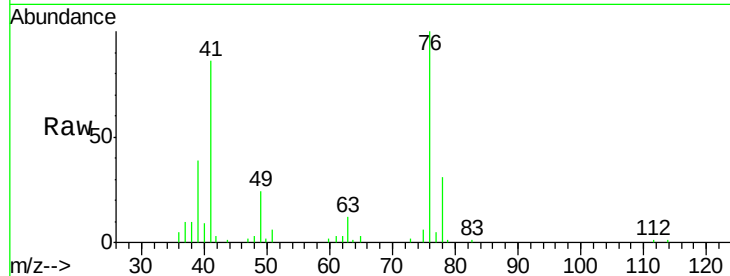




#57
 1,3-Dichloropropane
 Concen: 19.734 ug/l
 RT: 11.20 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

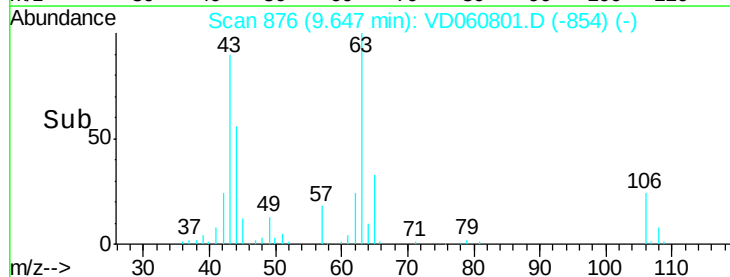
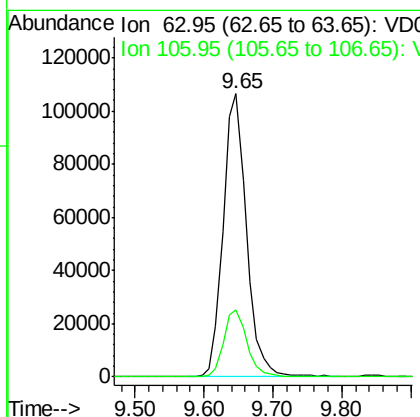
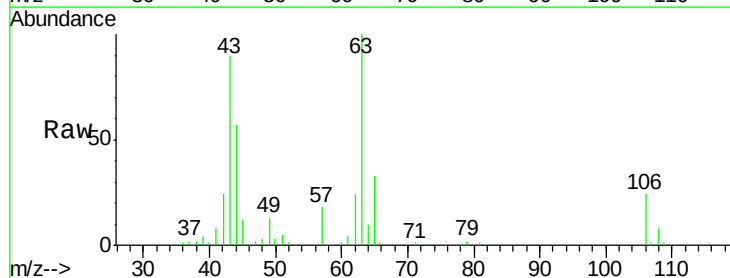
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

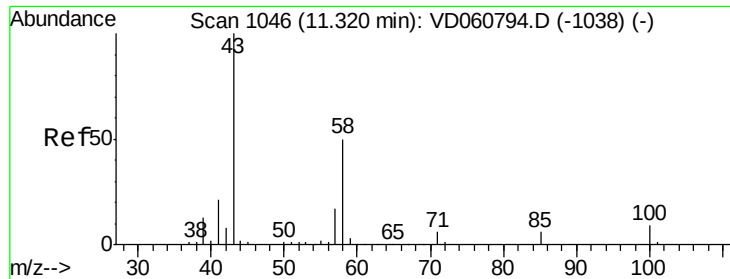
Tot Ion: 76 Resp: 131223
 Ion Ratio Lower Upper
 76 100
 78 30.6 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.822 ug/l
 RT: 9.65 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 63 Resp: 249336
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.9 29.9





#59

2-Hexanone

Concen: 90.928 ug/l

RT: 11.33 min Scan# 1047

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

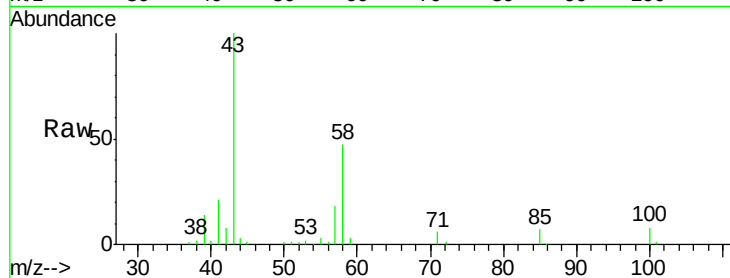
VD0130SBS01

Tot Ion: 43 Resp: 234973

Ion Ratio Lower Upper

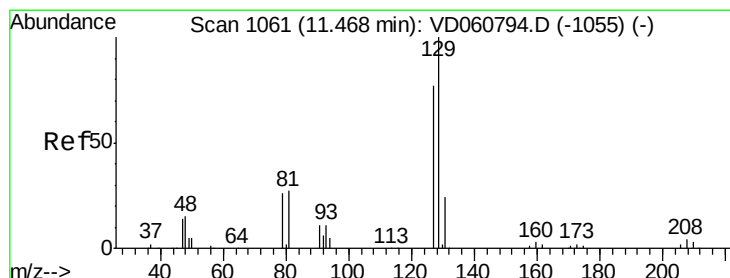
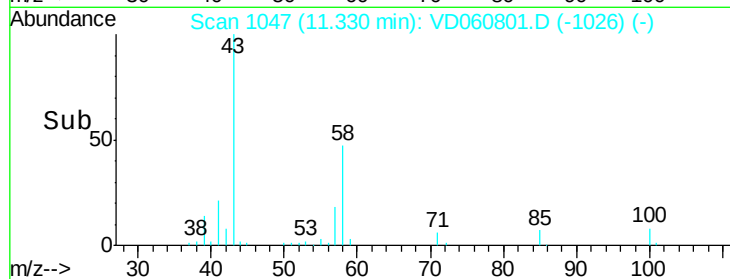
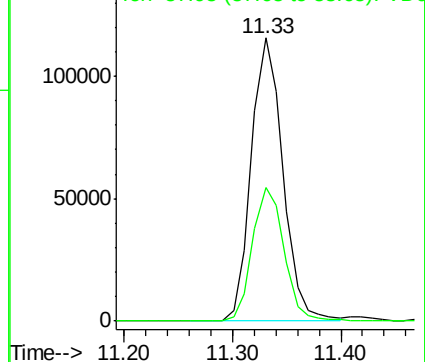
43 100

58 47.1 25.0 75.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 18.308 ug/l

RT: 11.49 min Scan# 1063

Delta R.T. 0.02 min

Lab File: VD060801.D

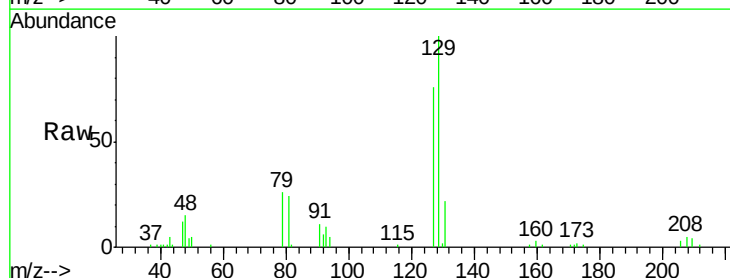
Acq: 30 Jan 2019 13:06

Tgt Ion:129 Resp: 128062

Ion Ratio Lower Upper

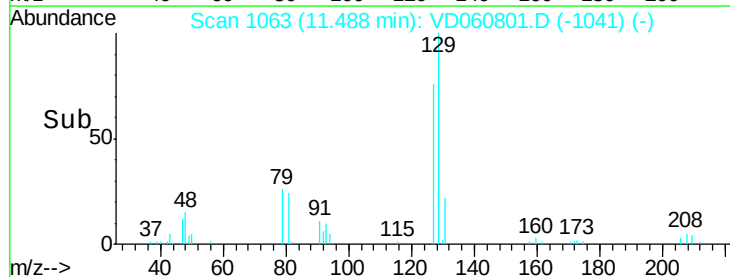
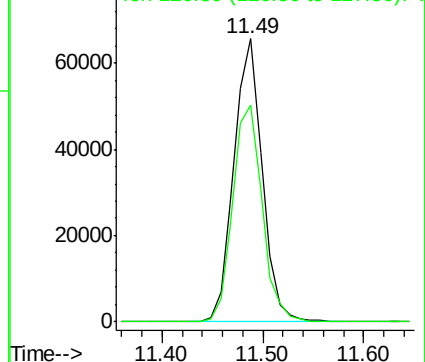
129 100

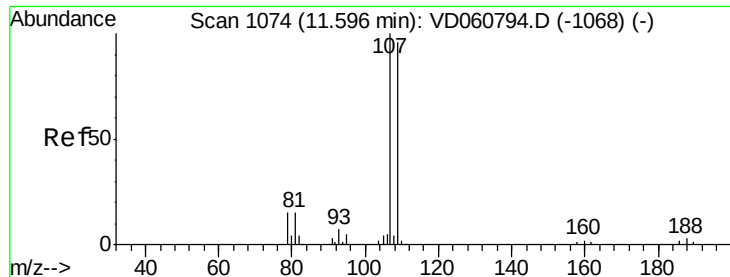
127 76.5 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

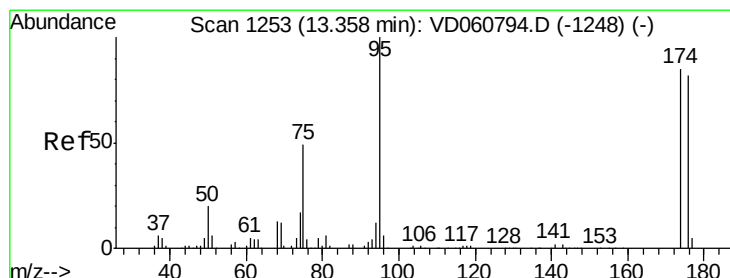
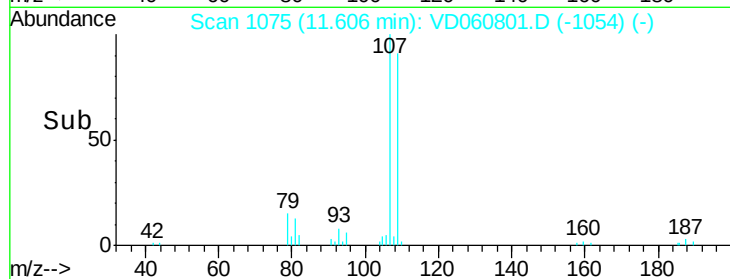
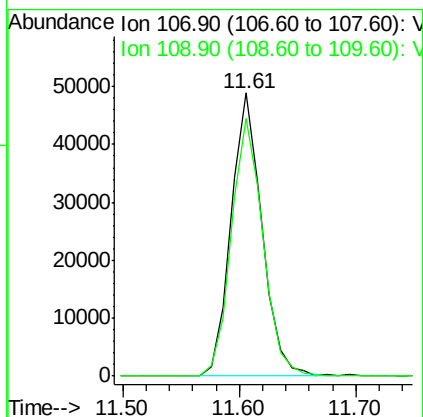
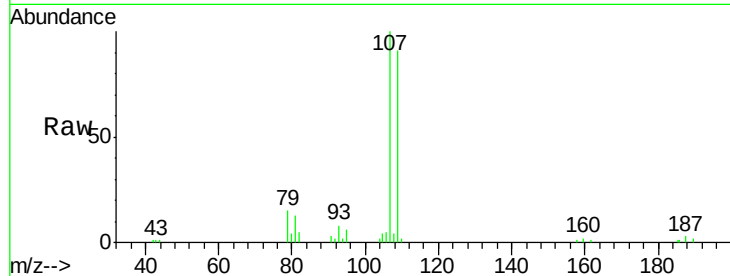




#61
 1,2-Dibromoethane
 Concen: 19.507 ug/l
 RT: 11.61 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

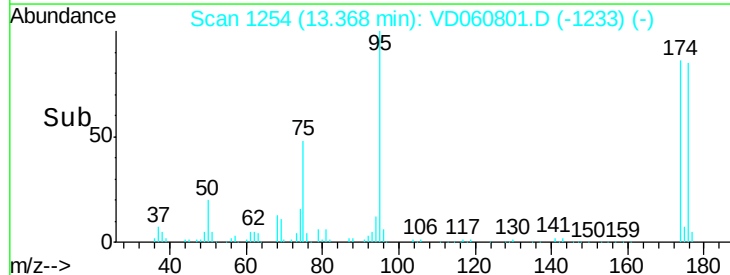
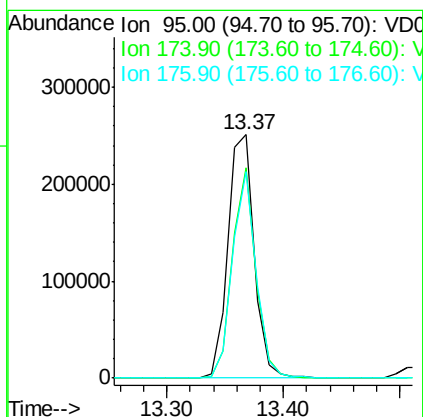
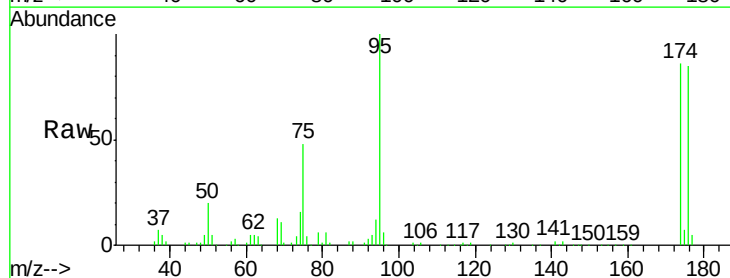
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

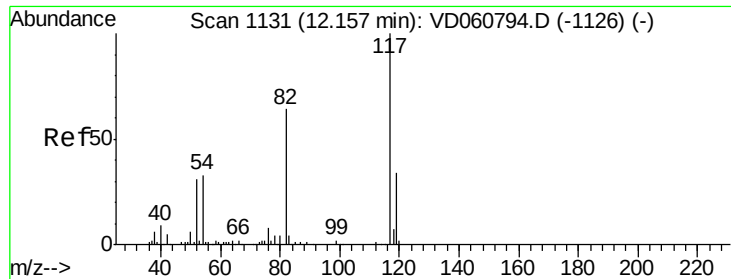
Tot Ion:107 Resp: 89384
 Ion Ratio Lower Upper
 107 100
 109 91.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 19.507 ug/l
 RT: 13.37 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 95 Resp: 391693
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 169.6
 176 85.0 0.0 163.8

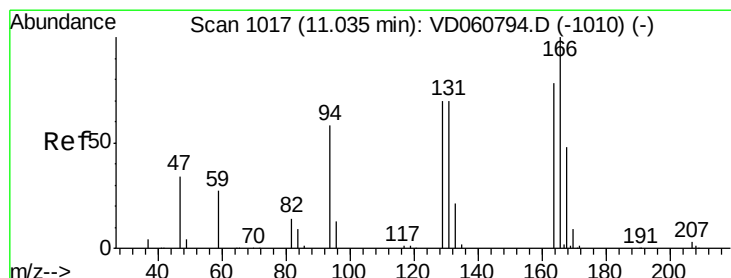
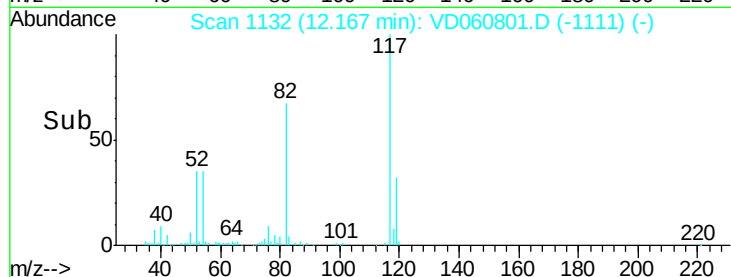
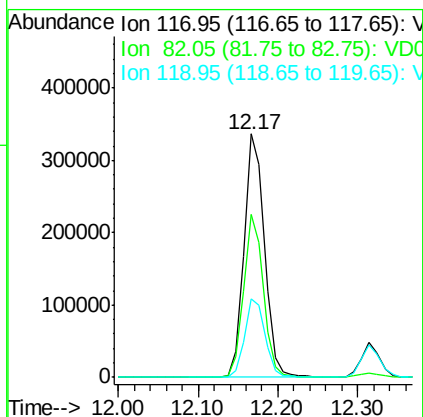
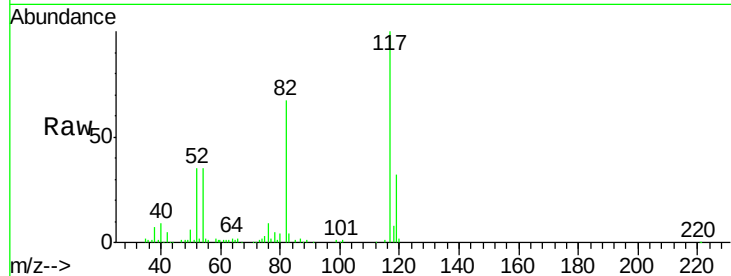




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

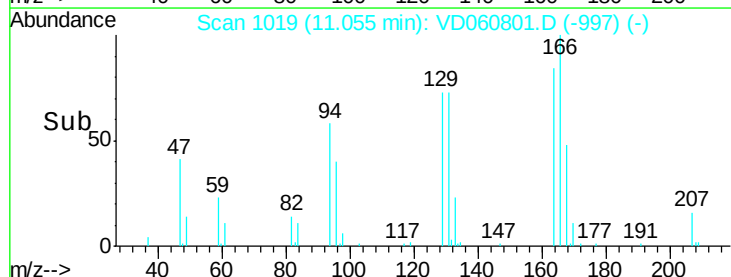
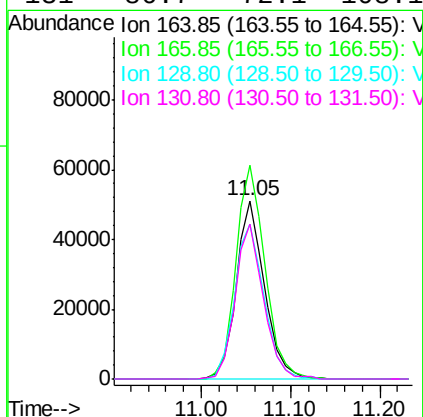
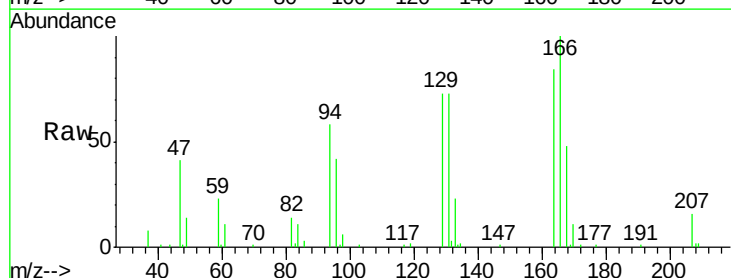
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

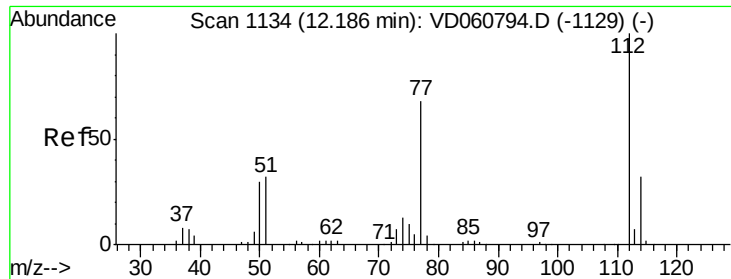
Tot Ion:117 Resp: 593172
Ion Ratio Lower Upper
117 100
82 66.7 51.5 77.3
119 32.3 27.1 40.7



#64
Tetrachloroethene
Concen: 20.710 ug/l
RT: 11.05 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion:164 Resp: 112743
Ion Ratio Lower Upper
164 100
166 119.6 102.6 154.0
129 86.9 72.3 108.5
131 86.7 72.1 108.1

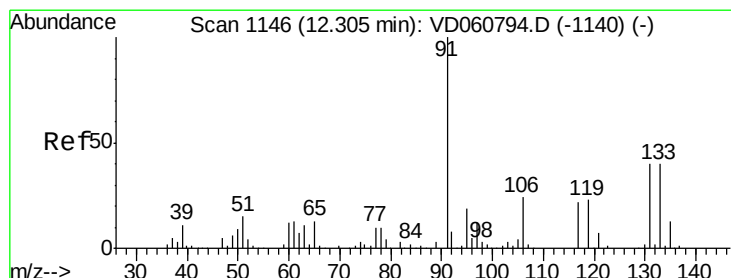
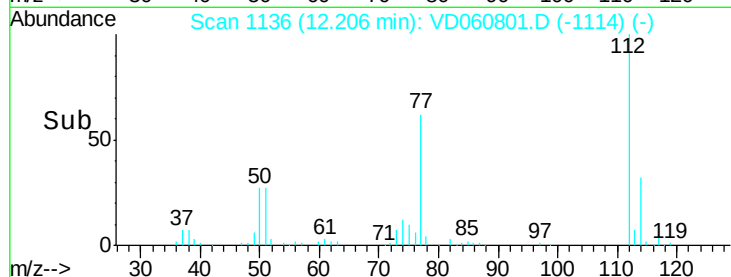
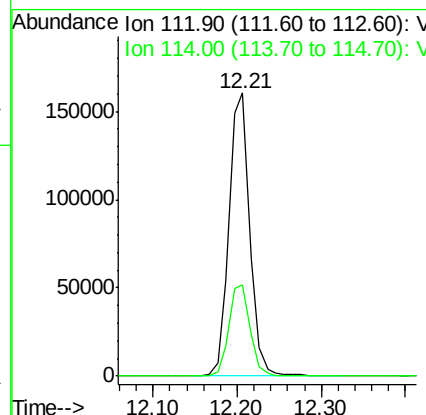
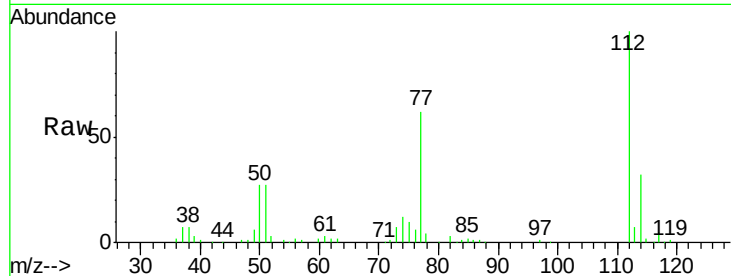




#65
Chlorobenzene
Concen: 20.217 ug/l
RT: 12.21 min Scan# 1136
Delta R.T. 0.02 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

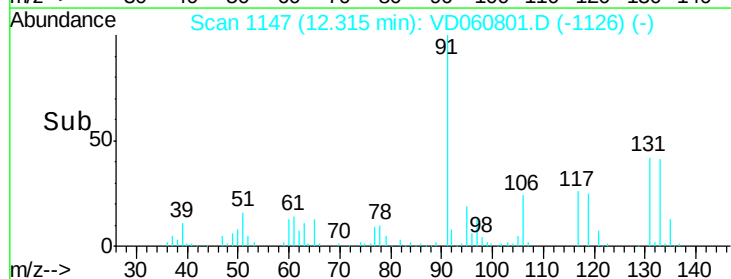
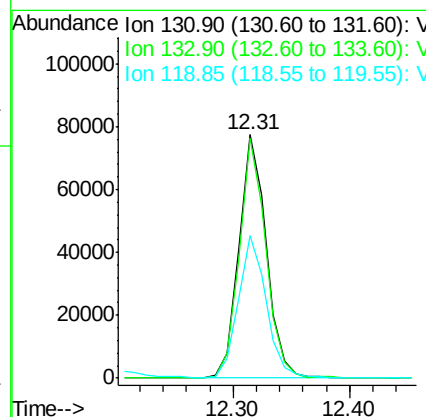
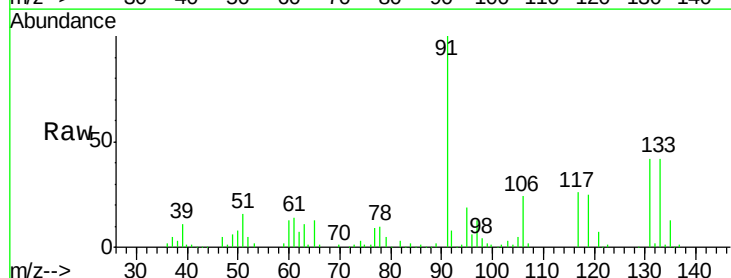
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

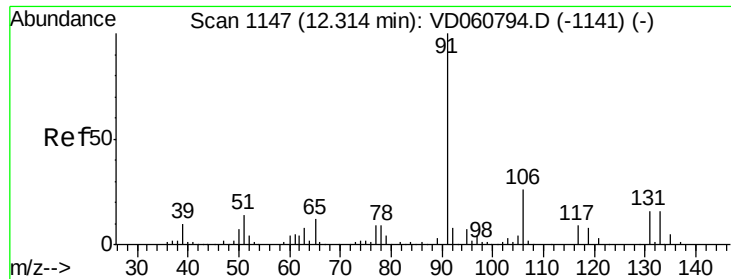
Tot Ion:112 Resp: 274042
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.563 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion:131 Resp: 125577
Ion Ratio Lower Upper
131 100
133 98.7 49.9 149.7
119 58.6 28.5 85.5

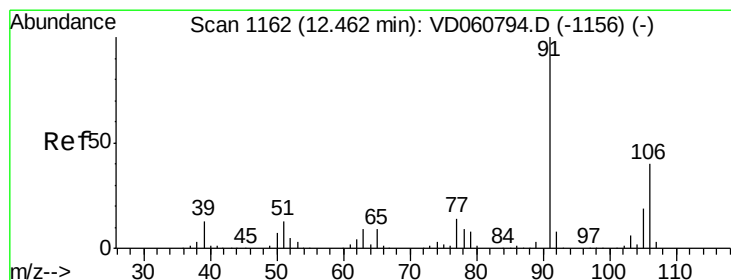
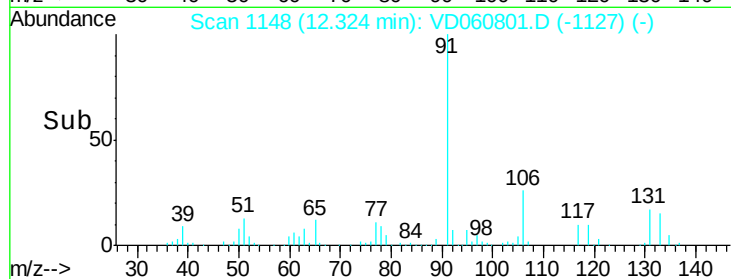
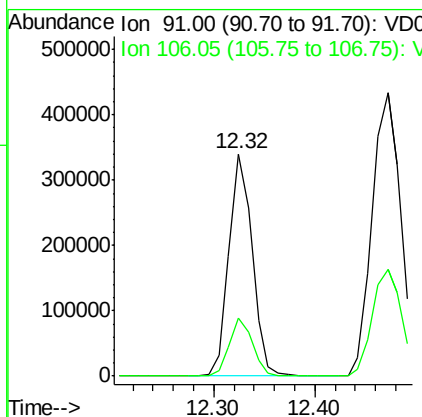
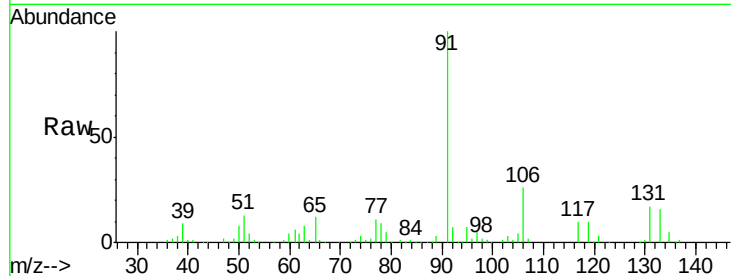




#67
Ethyl Benzene
Concen: 22.491 ug/l
RT: 12.32 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

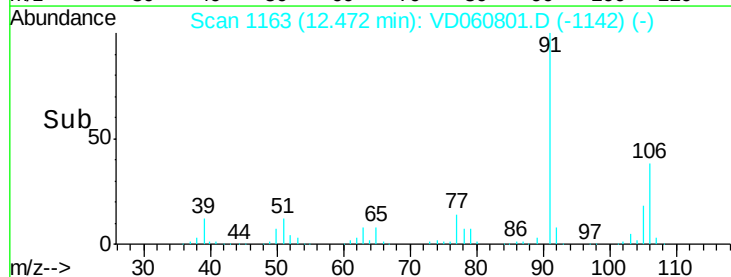
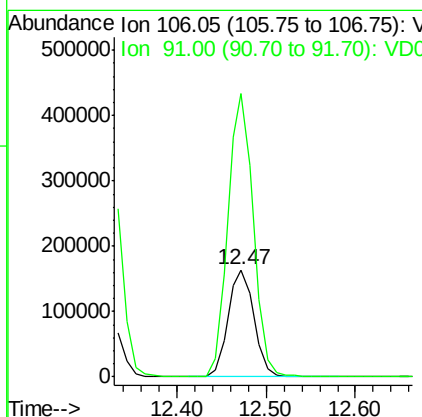
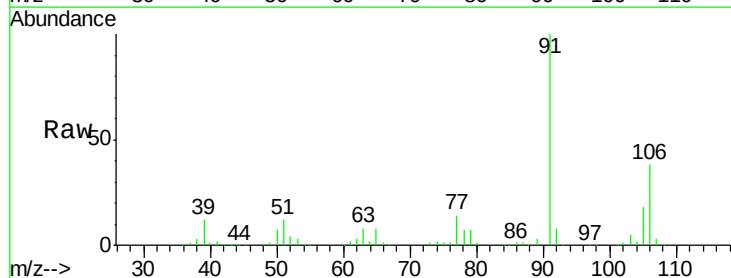
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

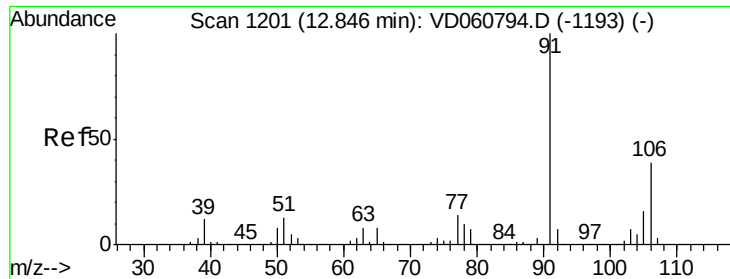
Tot Ion: 91 Resp: 548229
Ion Ratio Lower Upper
91 100
106 26.2 21.0 31.6



#68
m/p-Xylenes
Concen: 42.394 ug/l
RT: 12.47 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion: 106 Resp: 336196
Ion Ratio Lower Upper
106 100
91 263.8 200.5 300.7

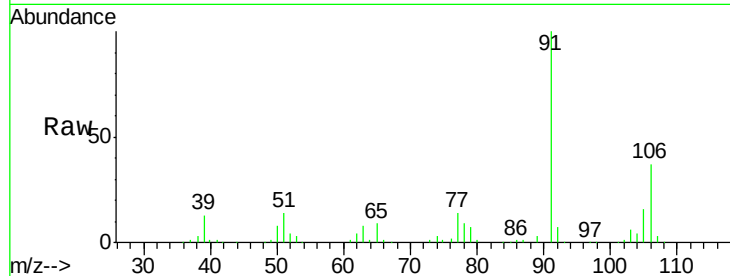




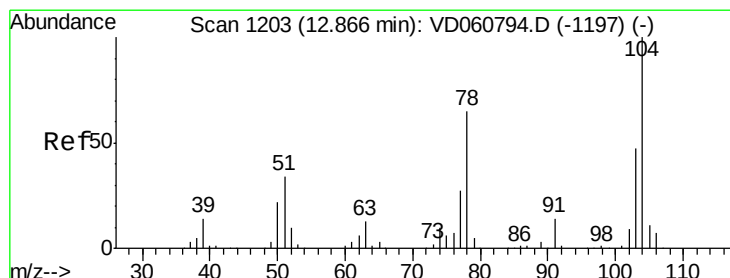
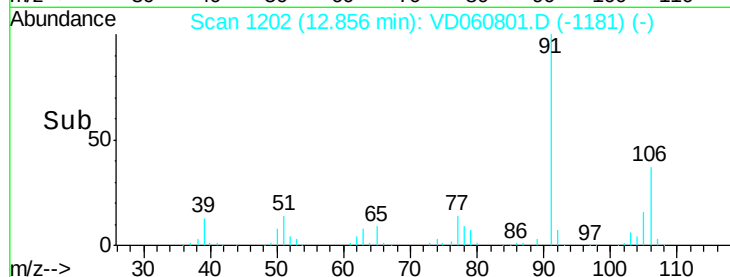
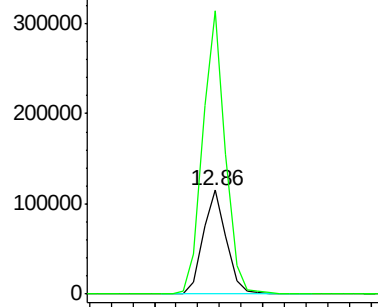
#69
o-Xylene
Concen: 21.919 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion:106 Resp: 172041
Ion Ratio Lower Upper
106 100
91 272.7 127.6 382.7

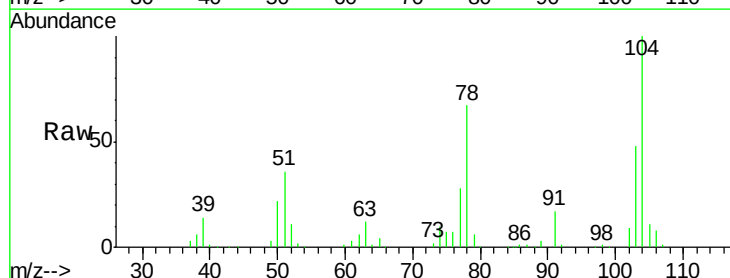


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

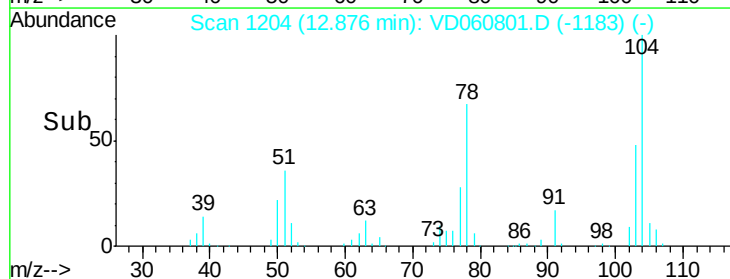
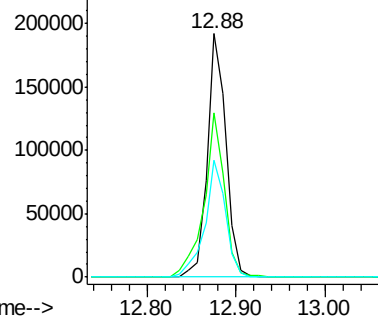


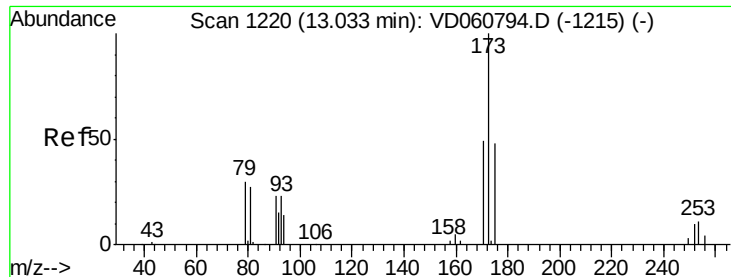
#70
Styrene
Concen: 21.607 ug/l
RT: 12.88 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion:104 Resp: 284392
Ion Ratio Lower Upper
104 100
78 67.3 52.0 78.0
103 47.8 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 18.875 ug/l

RT: 13.04 min Scan# 1221

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

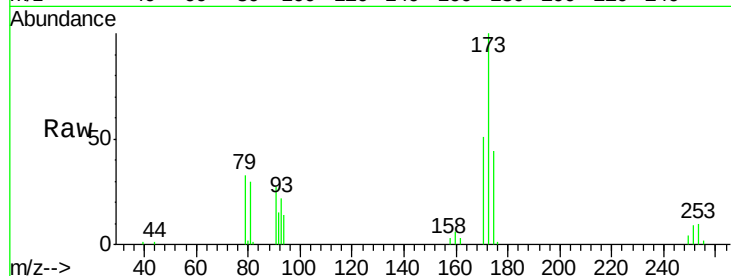
Tot Ion:173 Resp: 82821

Ion Ratio Lower Upper

173 100

175 43.9 24.1 72.4

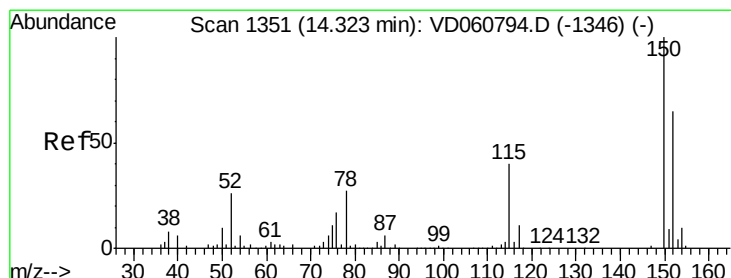
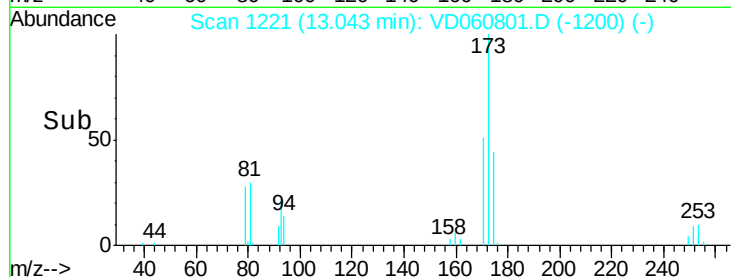
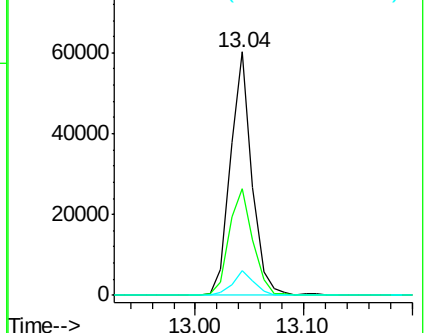
254 10.0 9.1 13.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.33 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

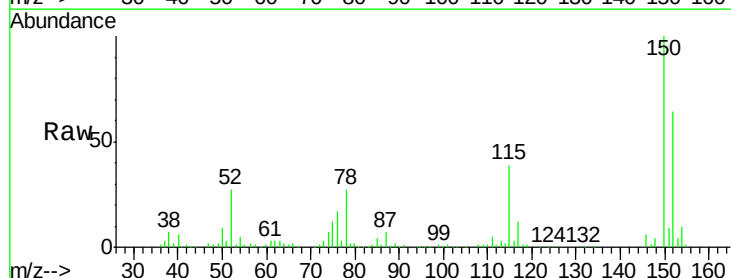
Tgt Ion:152 Resp: 302470

Ion Ratio Lower Upper

152 100

115 60.9 31.6 95.0

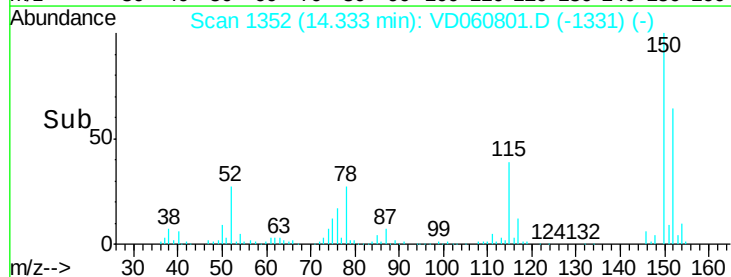
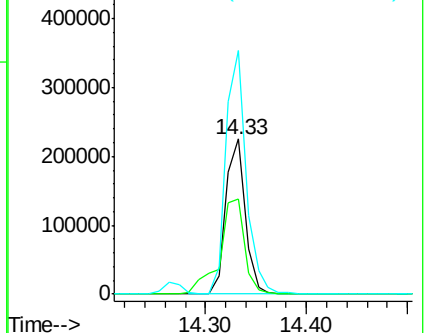
150 156.9 0.0 317.6

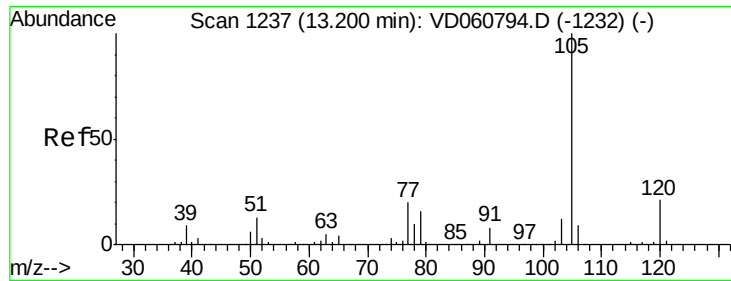


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.186 ug/l

RT: 13.21 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

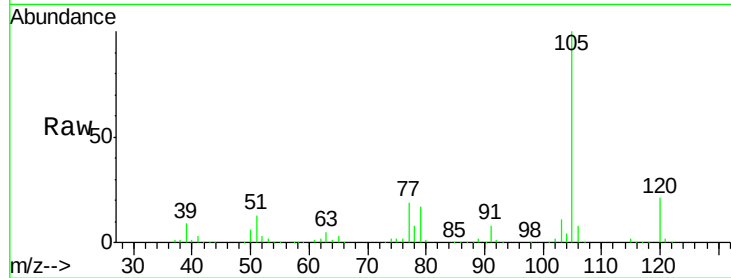
VD0130SBS01

Tot Ion:105 Resp: 510923

Ion Ratio Lower Upper

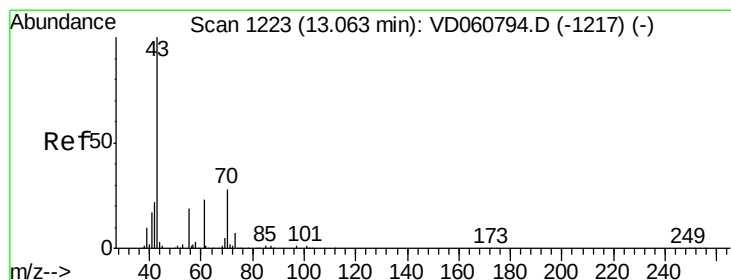
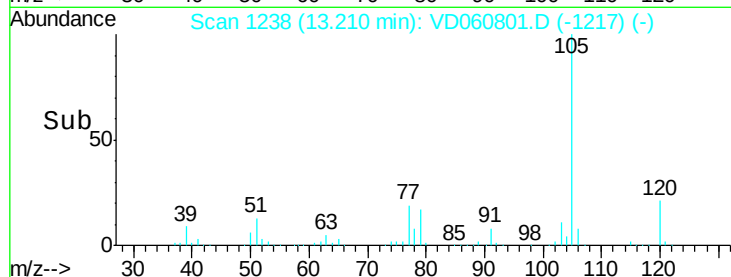
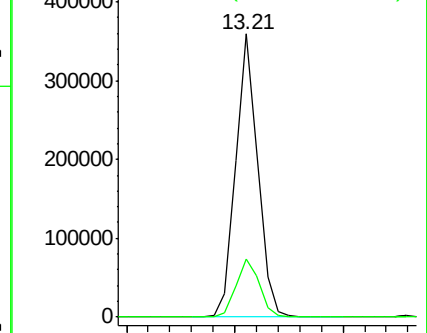
105 100

120 20.5 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.622 ug/l

RT: 13.07 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Tgt Ion: 43 Resp: 145472

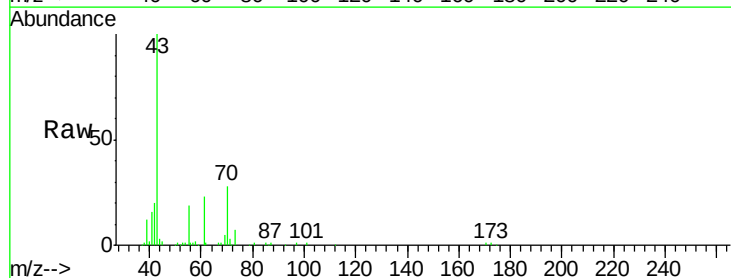
Ion Ratio Lower Upper

43 100

70 28.2 22.2 33.4

55 19.0 15.5 23.3

61 23.5 18.4 27.6

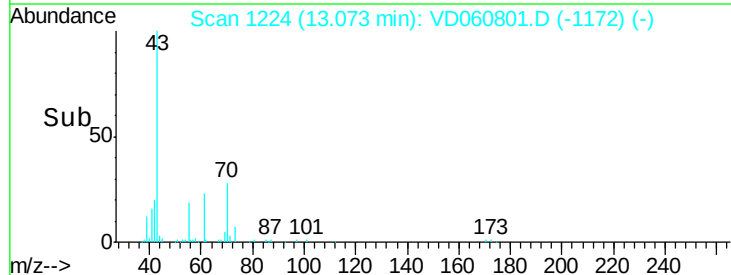
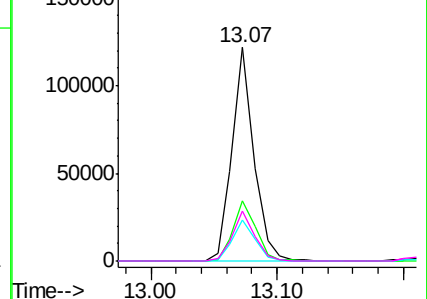


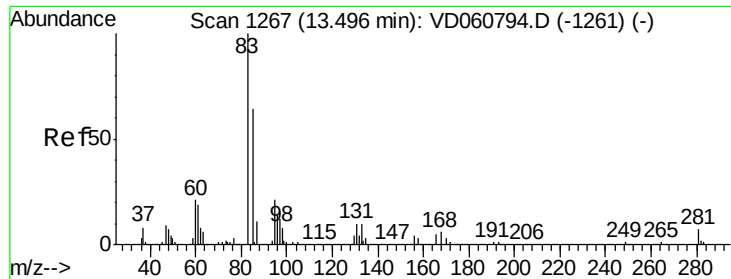
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.097 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

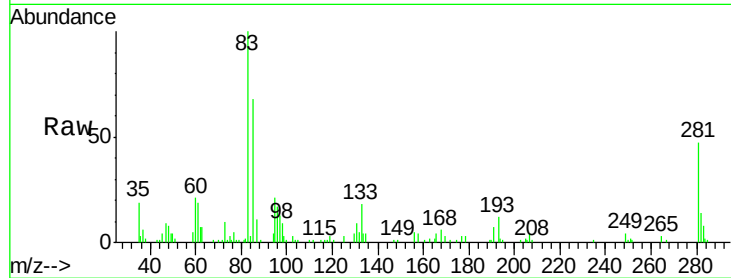
Tot Ion: 83 Resp: 83857

Ion Ratio Lower Upper

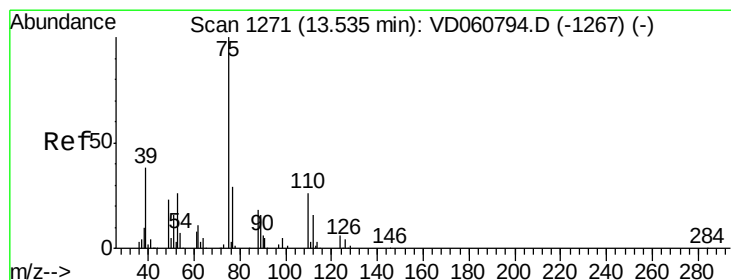
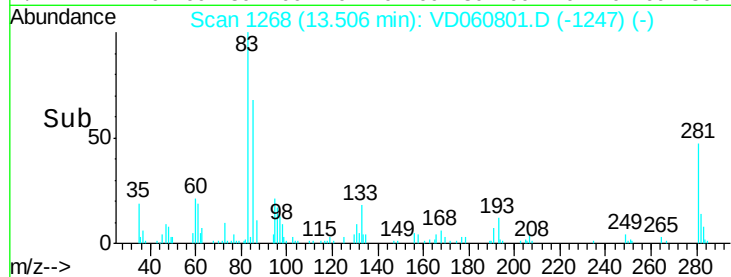
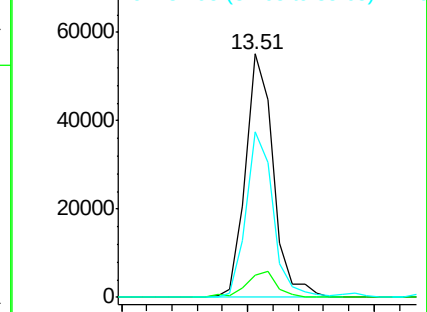
83 100

131 9.3 5.0 15.0

85 68.2 31.8 95.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.974 ug/l

RT: 13.55 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD060801.D

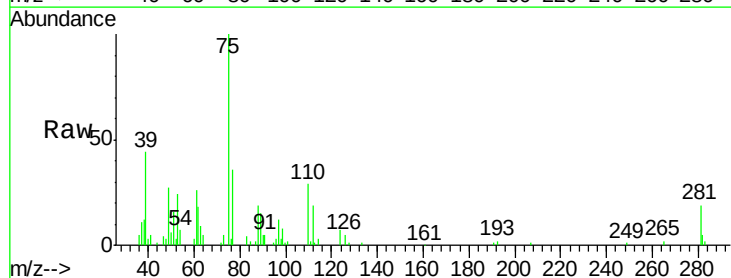
Acq: 30 Jan 2019 13:06

Tgt Ion: 75 Resp: 110789

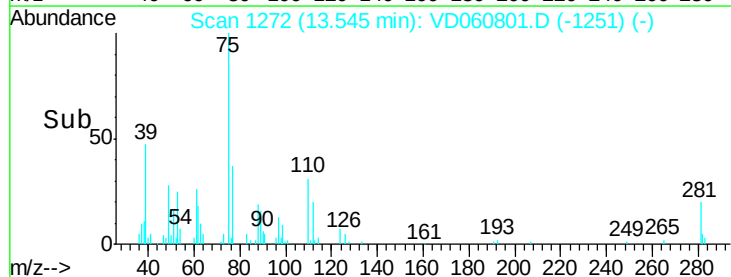
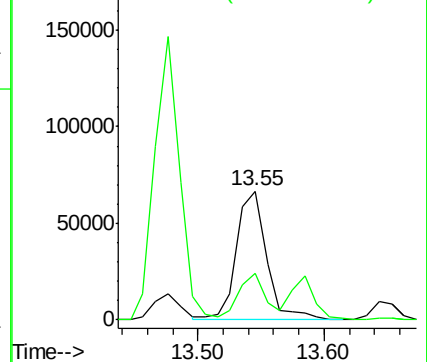
Ion Ratio Lower Upper

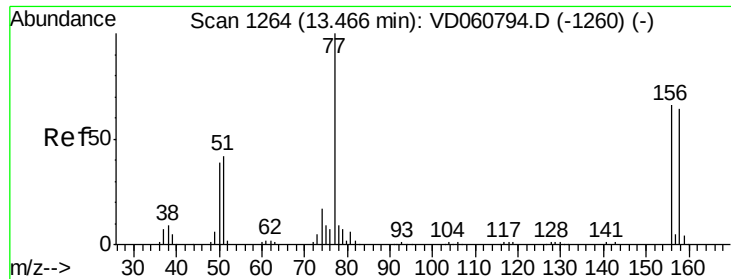
75 100

77 35.8 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.119 ug/l

RT: 13.48 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

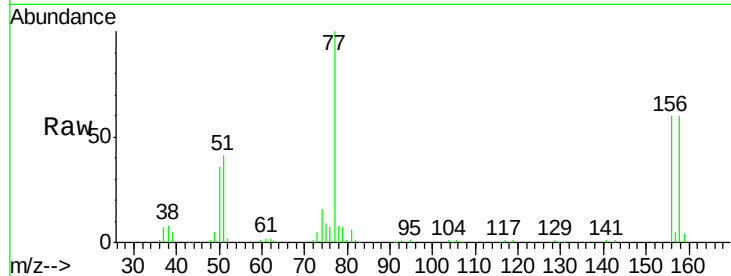
Tot Ion:156 Resp: 124723

Ion Ratio Lower Upper

156 100

77 167.0 76.0 228.0

158 100.4 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

13.48

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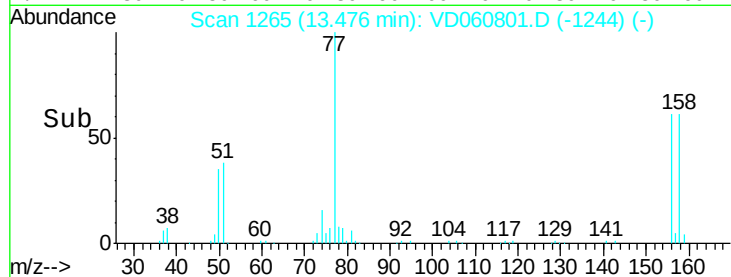
13.48

13.48

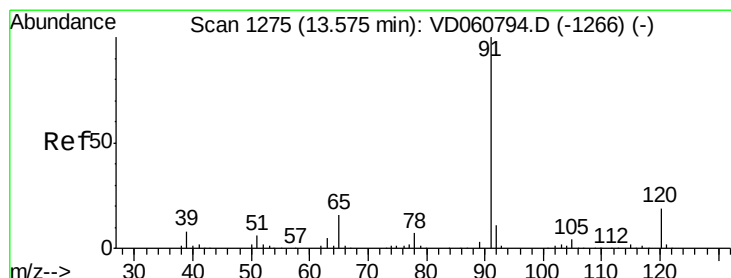
13.48

13.48

13.48



Time-->



#78

n-propylbenzene

Concen: 21.218 ug/l

RT: 13.58 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VD060801.D

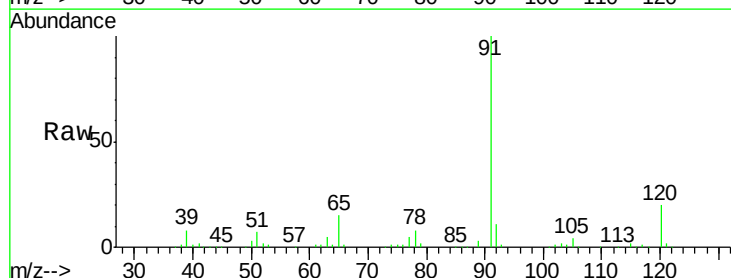
Acq: 30 Jan 2019 13:06

Tgt Ion: 91 Resp: 642367

Ion Ratio Lower Upper

91 100

120 19.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

13.58

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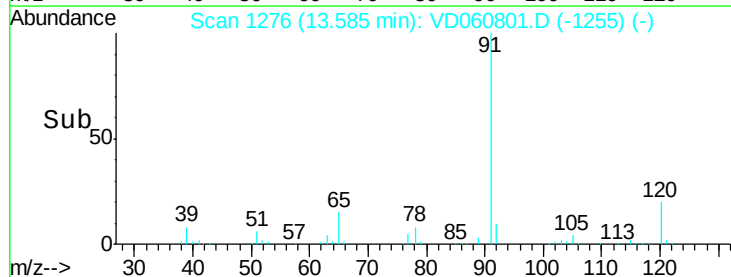
13.58

13.58

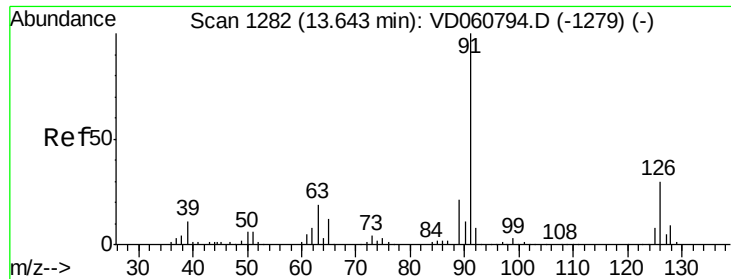
13.58

13.58

13.58



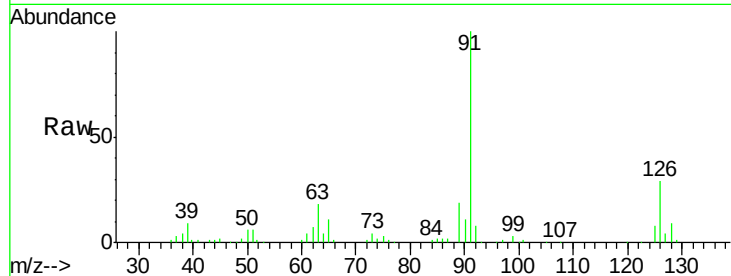
Time-->



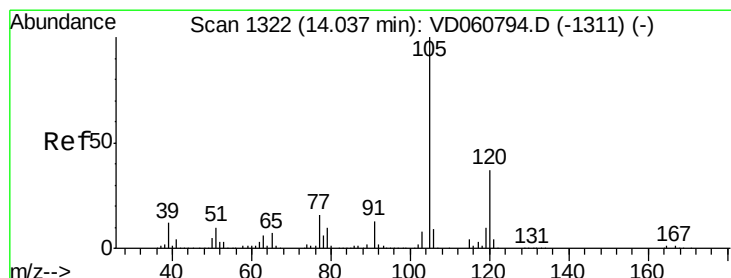
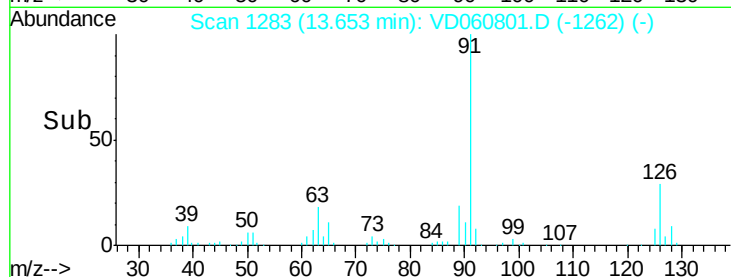
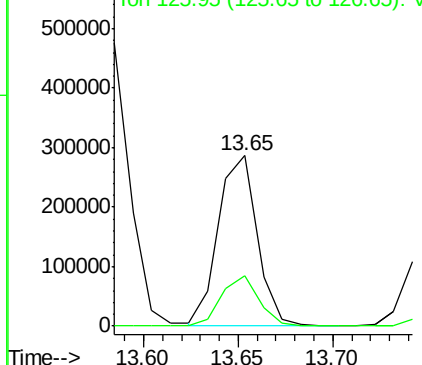
#79
 2-Chlorotoluene
 Concen: 21.981 ug/l
 RT: 13.65 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion: 91 Resp: 405890
 Ion Ratio Lower Upper
 91 100
 126 29.4 14.7 44.1

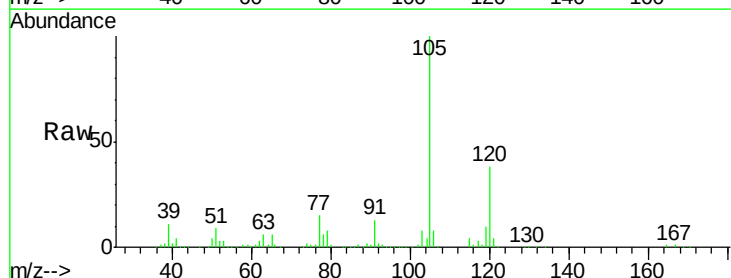


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

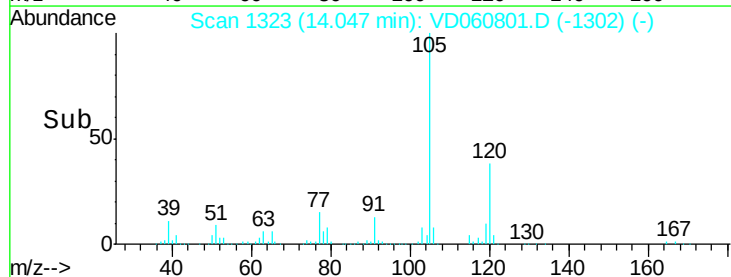
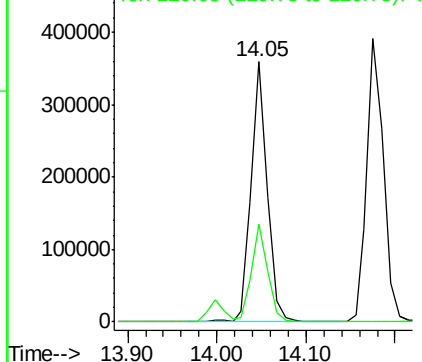


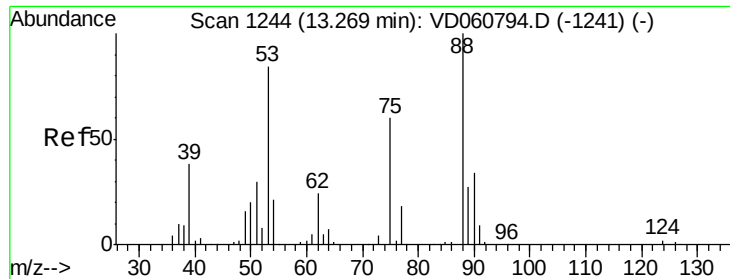
#80
 1,3,5-Trimethylbenzene
 Concen: 21.516 ug/l
 RT: 14.05 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion: 105 Resp: 446696
 Ion Ratio Lower Upper
 105 100
 120 37.6 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.814 ug/l

RT: 13.28 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

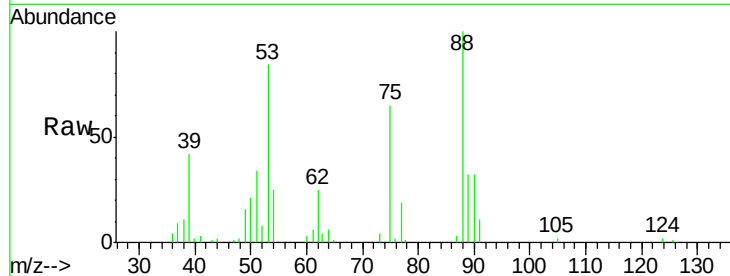
Tot Ion: 75 Resp: 27206

Ion Ratio Lower Upper

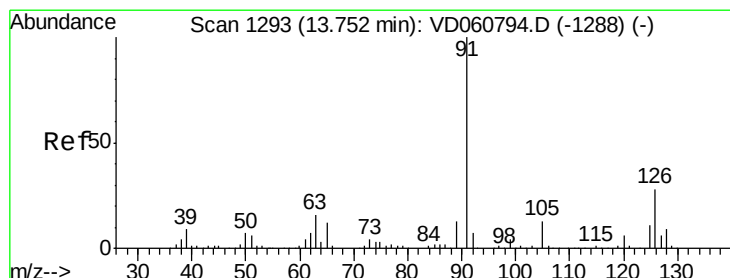
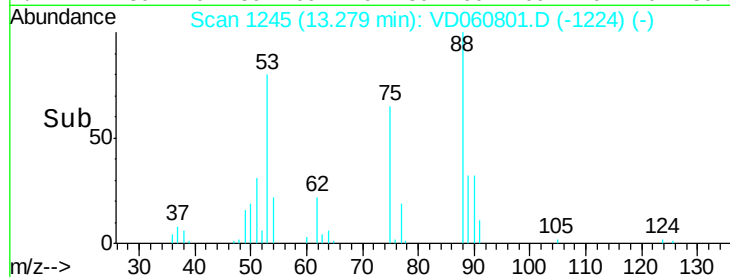
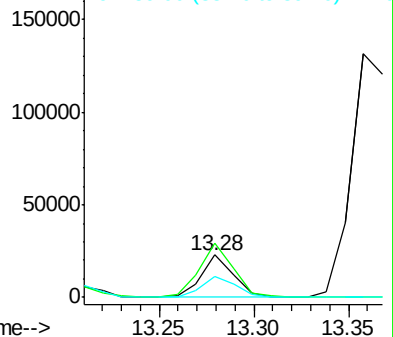
75 100

53 129.1 111.6 167.4

89 49.7 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.331 ug/l

RT: 13.75 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD060801.D

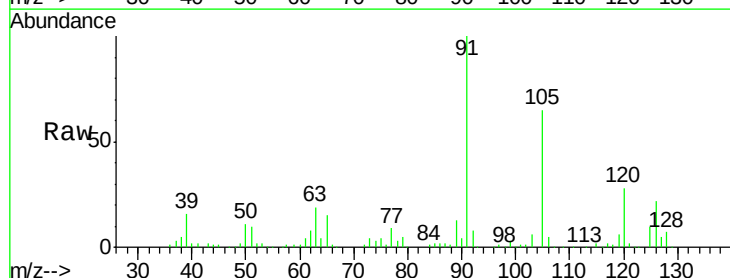
Acq: 30 Jan 2019 13:06

Tgt Ion: 91 Resp: 458300

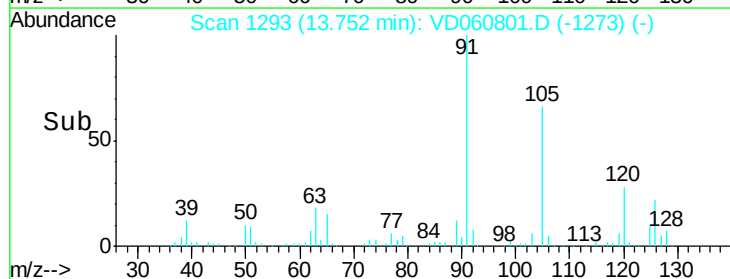
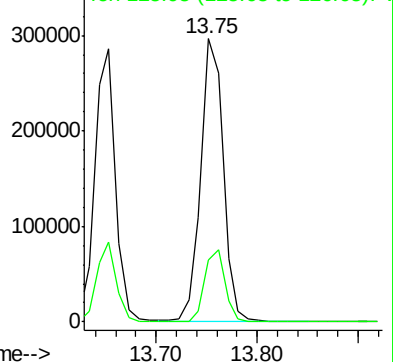
Ion Ratio Lower Upper

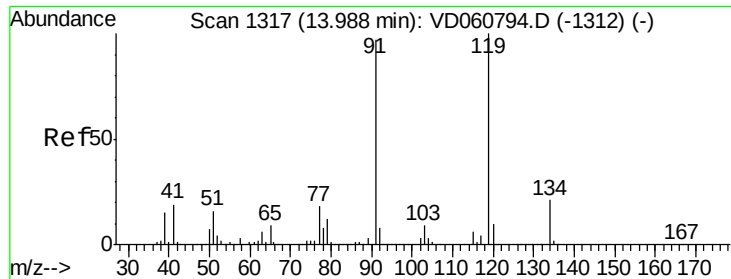
91 100

126 21.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

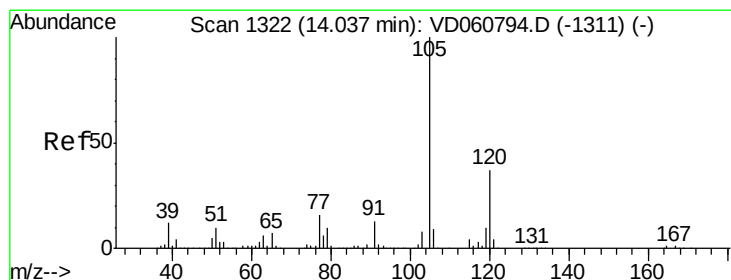
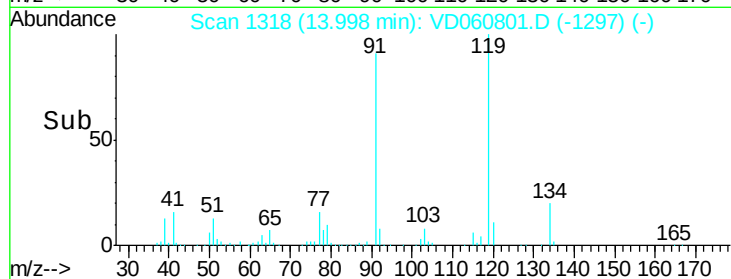
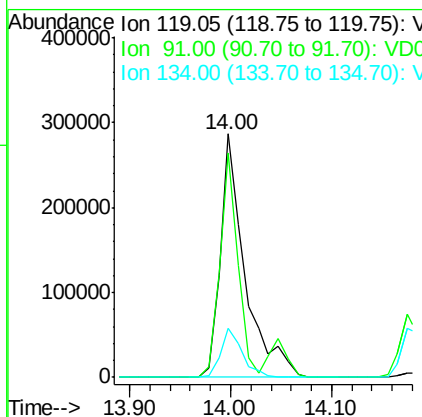
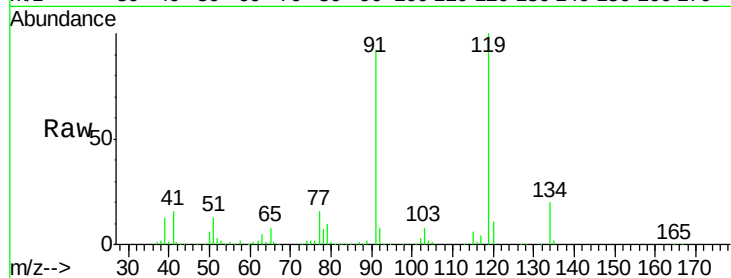




#83
 tert-Butylbenzene
 Concen: 22.548 ug/l
 RT: 14.00 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

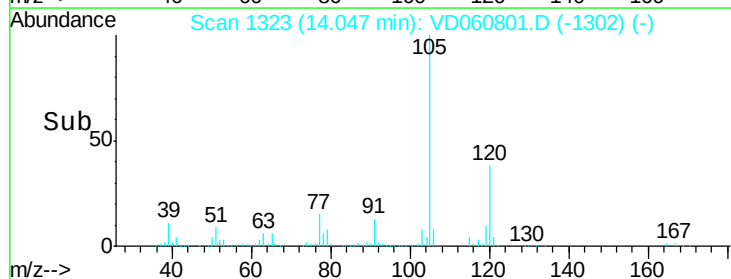
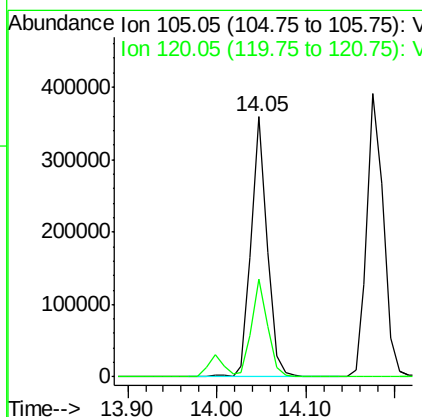
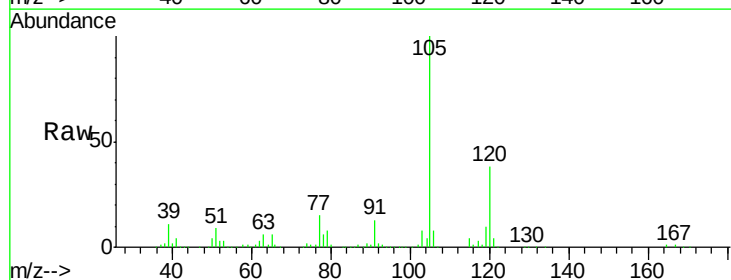
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

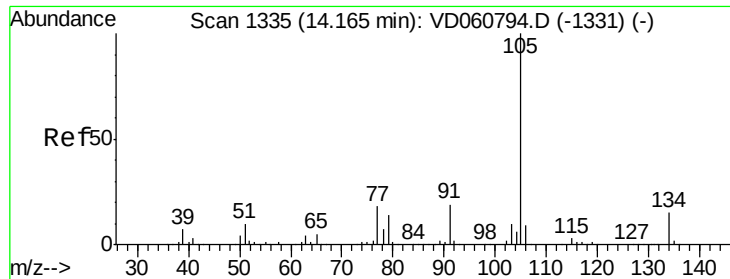
Tot Ion:119 Resp: 489765
 Ion Ratio Lower Upper
 119 100
 91 92.1 48.5 145.5
 134 20.3 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.516 ug/l
 RT: 14.05 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion:105 Resp: 446696
 Ion Ratio Lower Upper
 105 100
 120 37.6 18.4 55.2





#85

sec-Butylbenzene

Concen: 20.594 ug/l

RT: 14.18 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

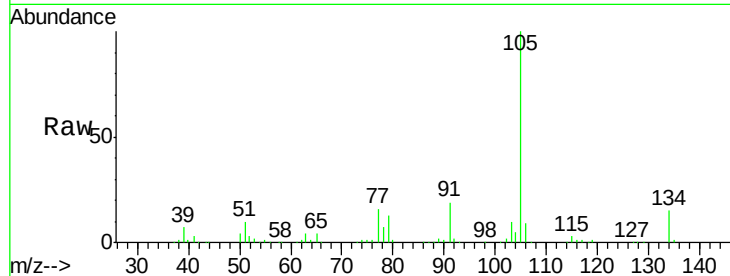
VD0130SBS01

Tot Ion:105 Resp: 509197

Ion Ratio Lower Upper

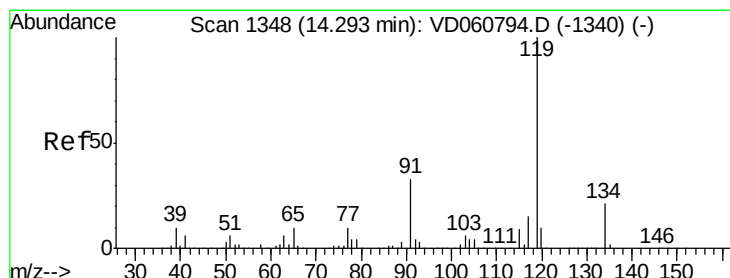
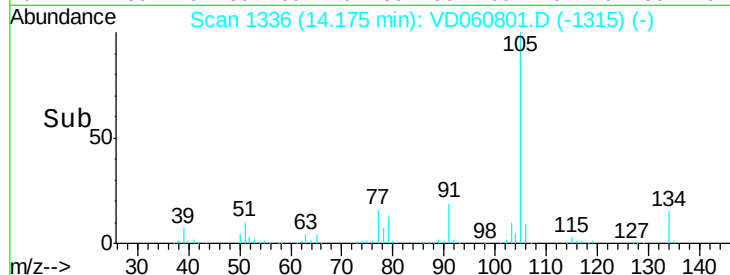
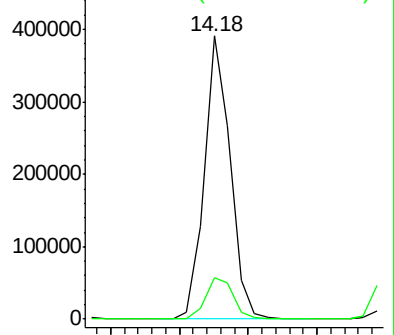
105 100

134 14.9 7.4 22.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.436 ug/l

RT: 14.30 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

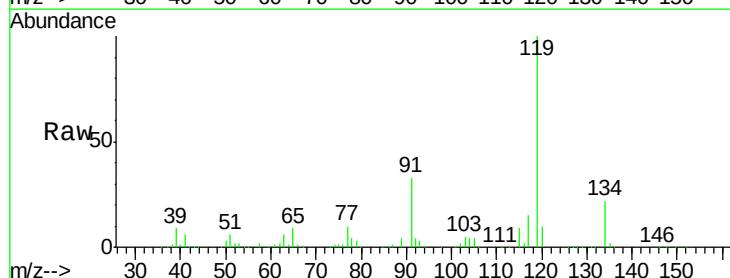
Tgt Ion:119 Resp: 430304

Ion Ratio Lower Upper

119 100

134 21.9 10.8 32.3

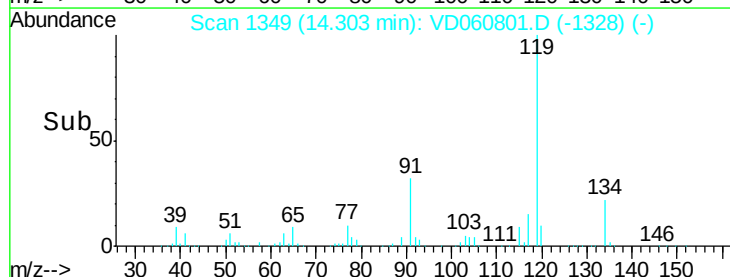
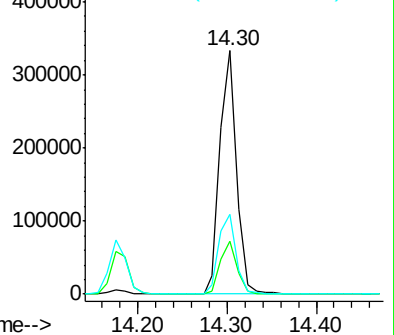
91 32.6 16.7 50.0

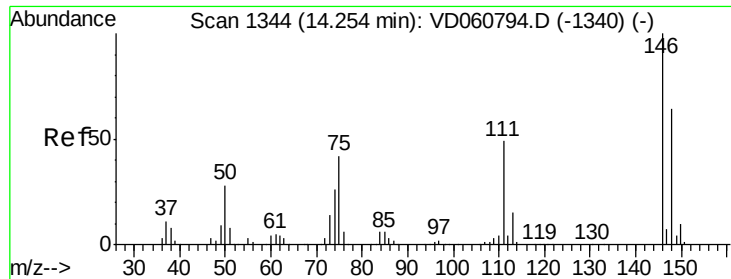


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

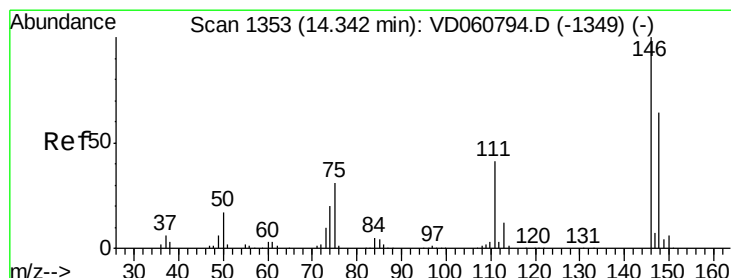
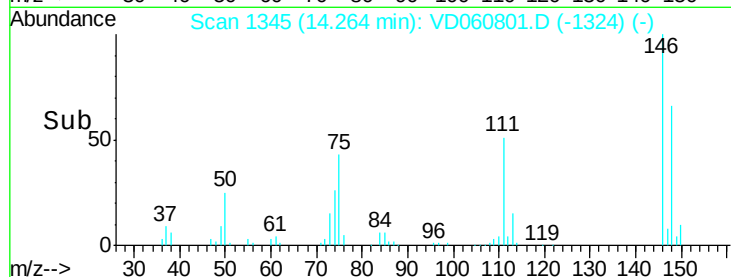
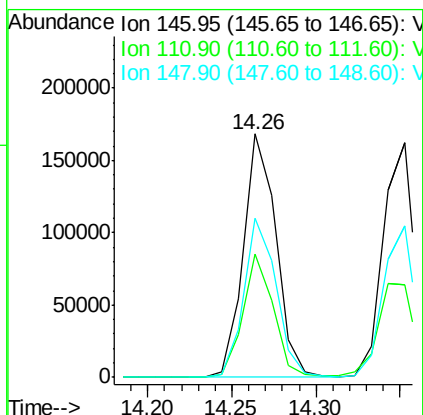
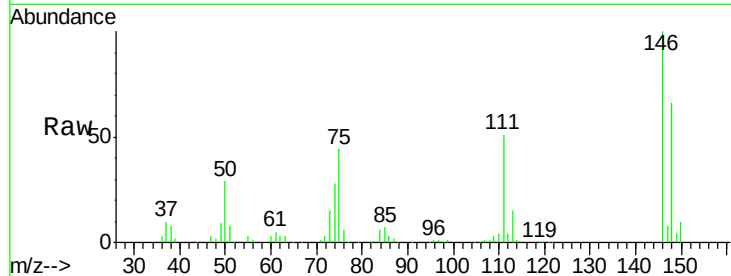




#87
 1,3-Dichlorobenzene
 Concen: 20.431 ug/l
 RT: 14.26 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

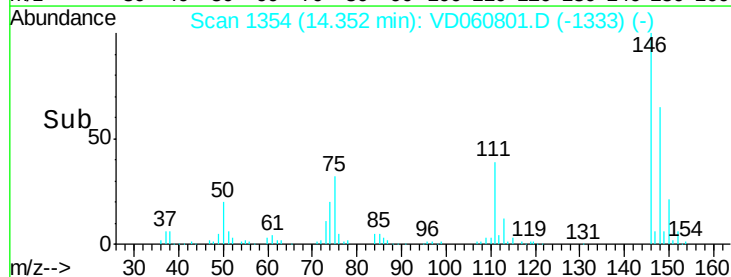
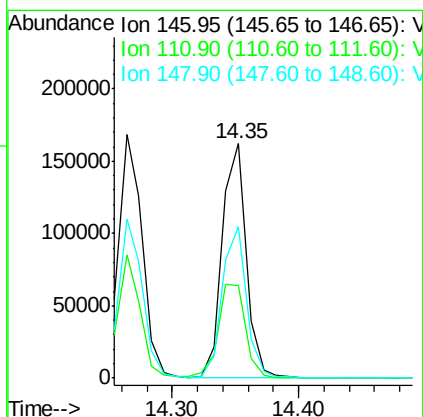
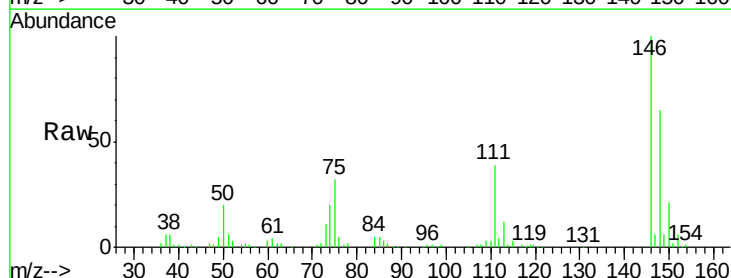
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

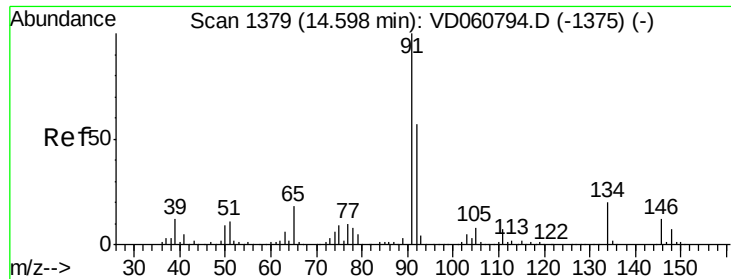
Tot Ion:146 Resp: 226541
 Ion Ratio Lower Upper
 146 100
 111 50.7 24.3 73.0
 148 65.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.009 ug/l
 RT: 14.35 min Scan# 1354
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion:146 Resp: 215564
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.6 61.8
 148 64.5 31.9 95.7





#89

n-Butylbenzene

Concen: 21.765 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

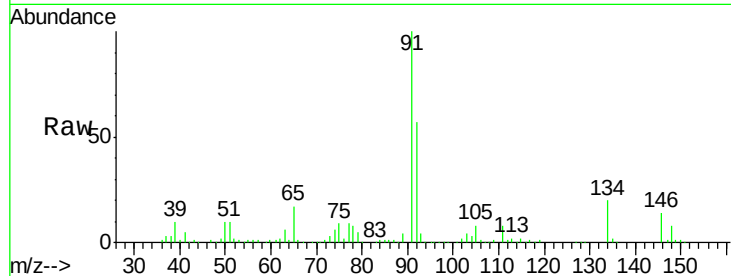
Tot Ion: 91 Resp: 455859

Ion Ratio Lower Upper

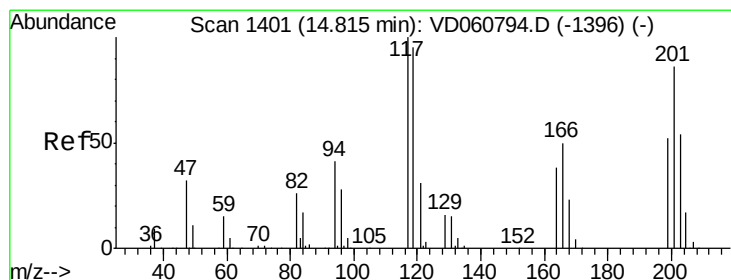
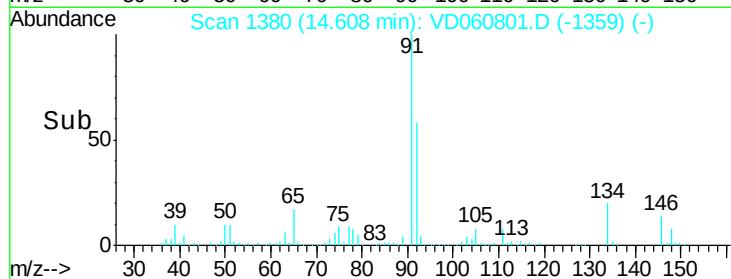
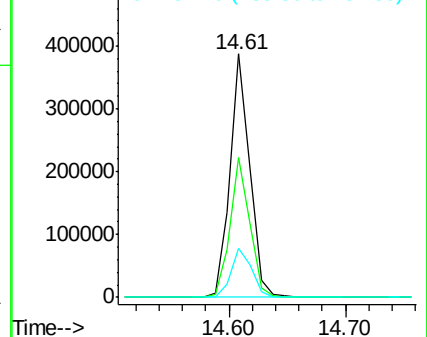
91 100

92 57.4 28.5 85.5

134 20.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.614 ug/l

RT: 14.82 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VD060801.D

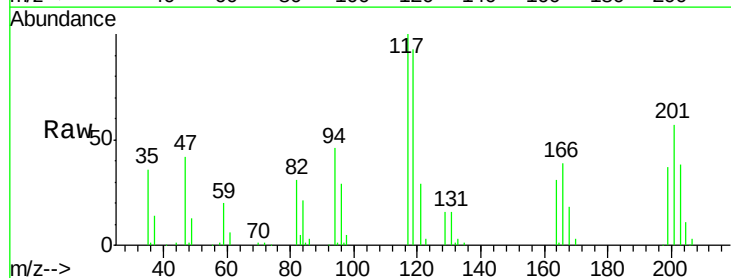
Acq: 30 Jan 2019 13:06

Tgt Ion: 117 Resp: 117167

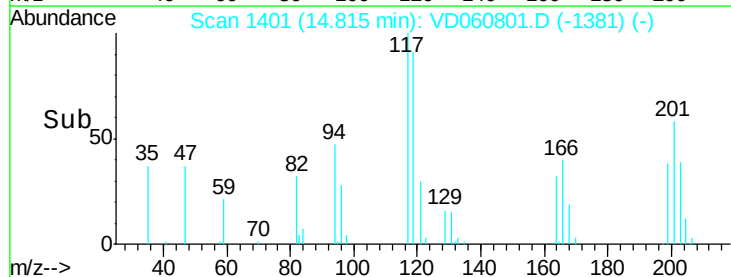
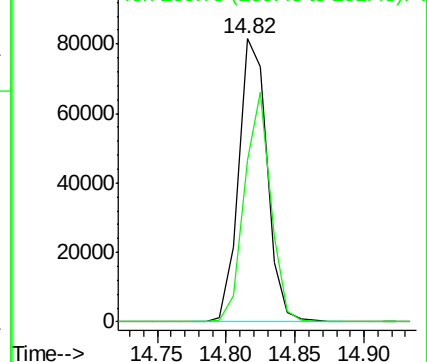
Ion Ratio Lower Upper

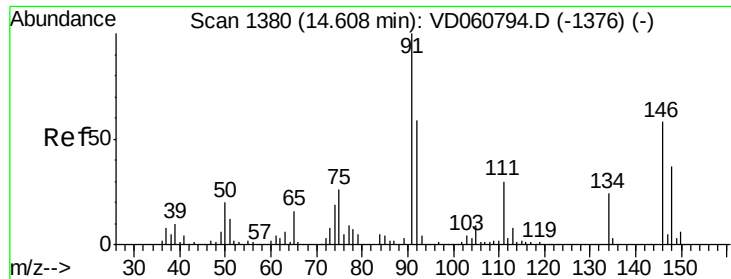
117 100

201 57.1 43.0 128.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 20.514 ug/l

RT: 14.62 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

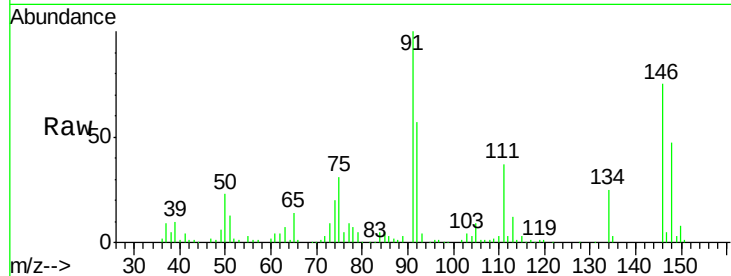
Tot Ion:146 Resp: 188805

Ion Ratio Lower Upper

146 100

111 49.6 25.6 76.8

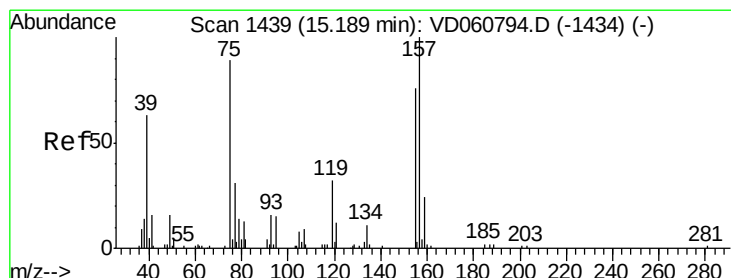
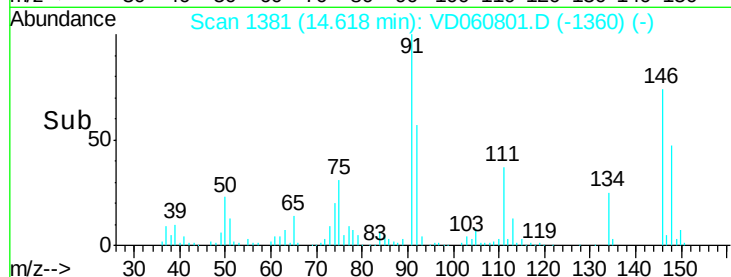
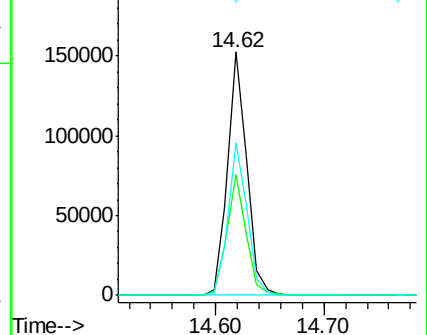
148 62.5 31.4 94.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.076 ug/l

RT: 15.19 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VD060801.D

Acq: 30 Jan 2019 13:06

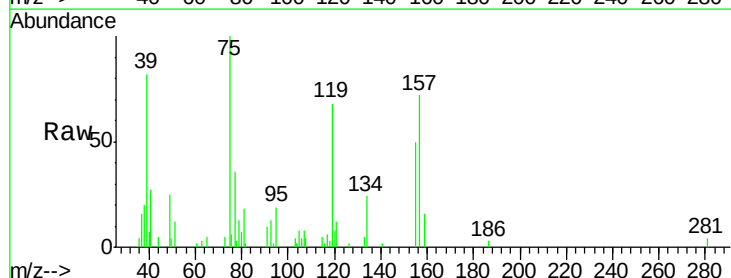
Tgt Ion: 75 Resp: 21987

Ion Ratio Lower Upper

75 100

155 47.5 43.0 129.0

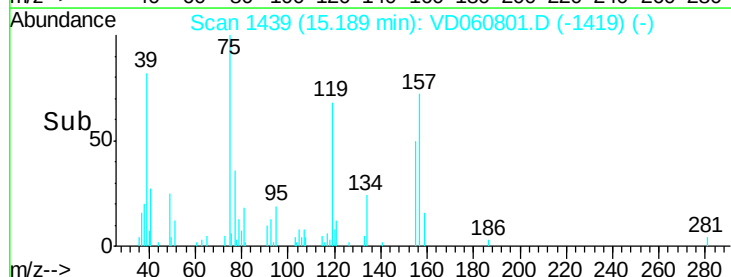
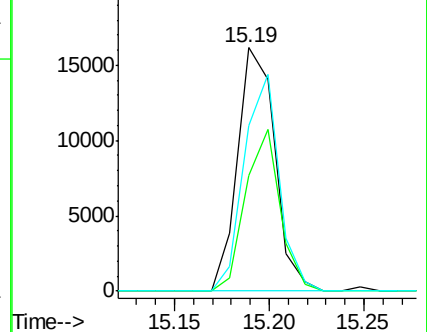
157 67.8 56.3 168.9

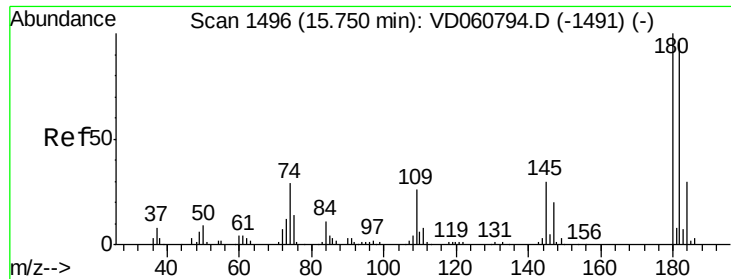


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

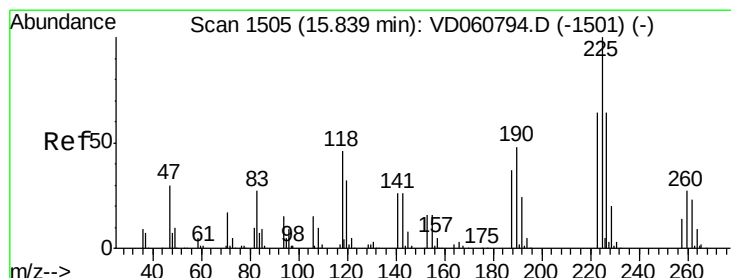
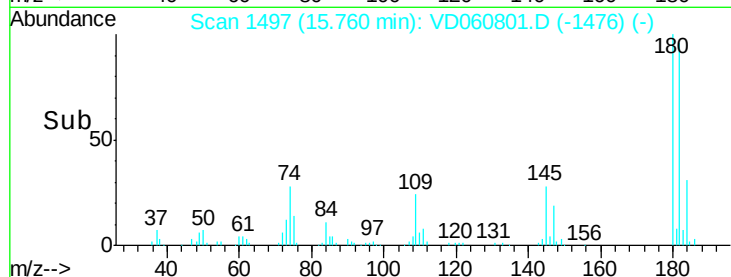
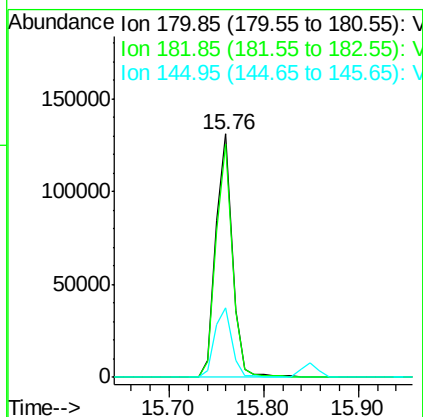
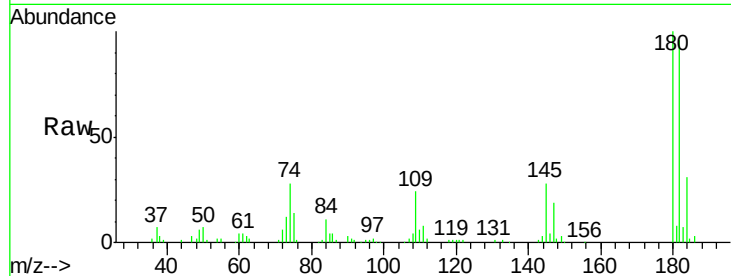




#93
 1,2,4-Trichlorobenzene
 Concen: 20.149 ug/l
 RT: 15.76 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

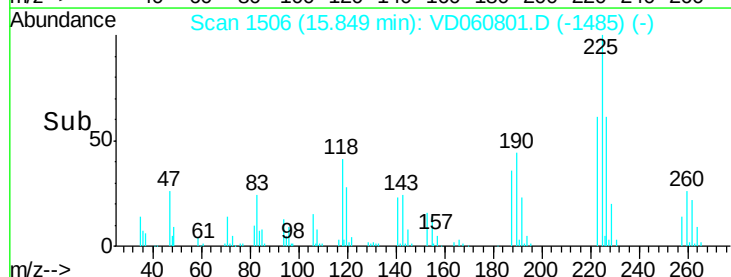
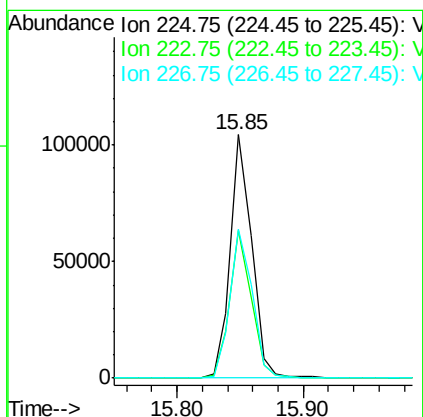
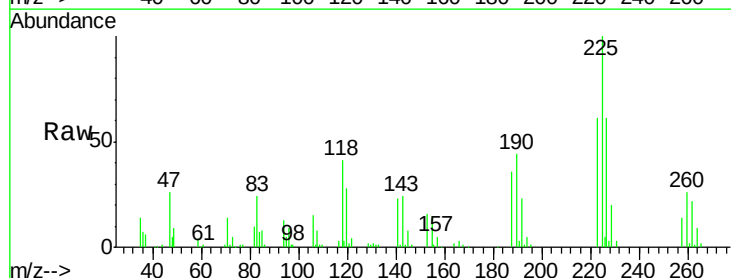
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

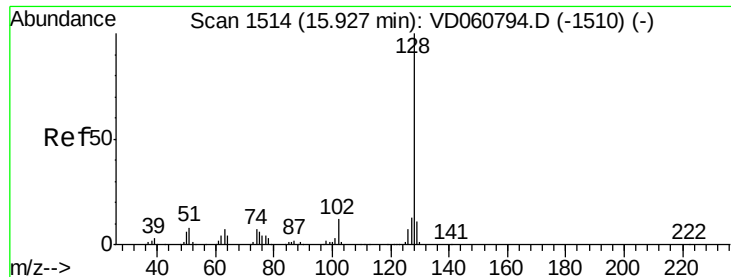
Tot Ion:180 Resp: 160571
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.7
 145 28.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.575 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VD060801.D
 Acq: 30 Jan 2019 13:06

Tgt Ion:225 Resp: 123024
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.8 95.4
 227 61.3 31.9 95.5

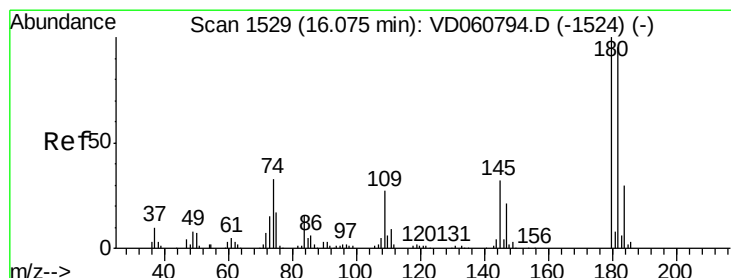
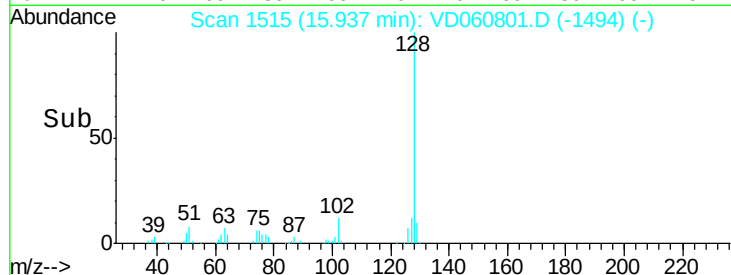
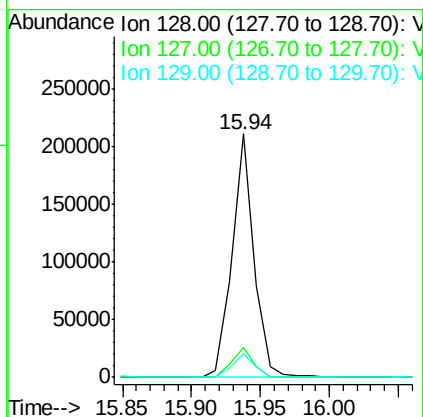
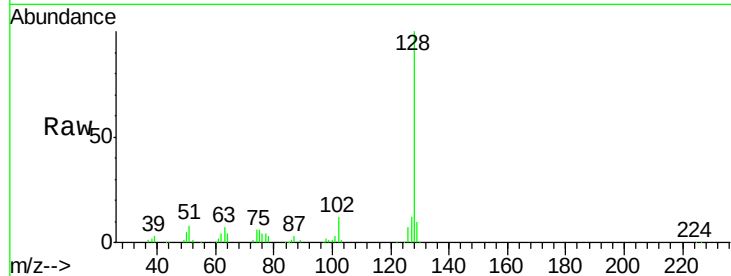




#95
Naphthalene
Concen: 19.025 ug/l
RT: 15.94 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion:128 Resp: 232943
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.190 ug/l
RT: 16.08 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VD060801.D
Acq: 30 Jan 2019 13:06

Tgt Ion:180 Resp: 139906
Ion Ratio Lower Upper
180 100
182 92.3 47.4 142.3
145 32.4 15.8 47.4

